

## TACR3 / NK3R Polyclonal Antibody | anti-TACR3 antibody

Rabbit Polyclonal to Human TACR3 / NK3R

| CATALOG # | HOST                                        | REACTIVITY             | APPLICATIONS                               |
|-----------|---------------------------------------------|------------------------|--------------------------------------------|
| AAA51136  | TACR3/NK3R antibody was produced in Rabbit. | HumanPredicted: Monkey | Immunohistochemistry, Immunohistochemistry |

### PRODUCT SYNONYMS

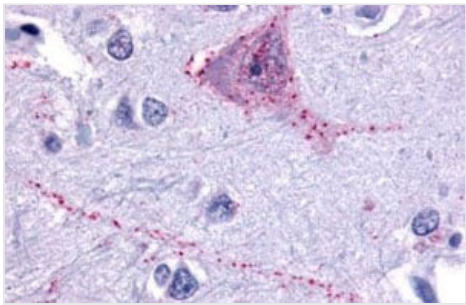
TACR3 / NK3R; Polyclonal Antibody; Rabbit Polyclonal to Human TACR3 / NK3R; Anti-TACR3 / NK3R Antibody (N-Terminus) IHC-plus; TACR3; HH11; Nmk-r; NK3R; NKR; Tachykinin receptor 3; Neurokinin B; Neurokinin B receptor; NK-3 receptor; NK-3R; TAC3R; Neurokinin 3 receptor; Neurokinin beta receptor; Neuromedin-K receptor; TAC3RL; Human TACR3; anti-TACR3 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | TACR3/NK3R antibody was produced in Rabbit.                                                                                                                                                                                                                                                                           |
| Reactivity                                      | Human<br>Predicted: Monkey                                                                                                                                                                                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                            |
| Specificity                                     | Human TACR3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.                                                                                                                                                                                                                    |
| Purity/Purification                             | Immunoaffinity Purified                                                                                                                                                                                                                                                                                               |
| Form/Format                                     | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                                                               |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                               |
| Sequence Length                                 | 465                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-TACR3 antibody | IHC (Immunohistochemistry), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                |
| Target Species                                  | TACR3/NK3R                                                                                                                                                                                                                                                                                                            |
| Immunogen Species                               | TACR3/NK3R antibody was raised against Human.                                                                                                                                                                                                                                                                         |
| Antigen Type                                    | Synthetic peptide                                                                                                                                                                                                                                                                                                     |
| Immunogen                                       | TACR3 / NK3R antibody was raised against synthetic 20 amino acid peptide from N-terminal extracellular domain of human TACR3. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Gibbon, Monkey (95%).                                                                                     |
| Epitope                                         | N-Terminus                                                                                                                                                                                                                                                                                                            |
| Disclaimer                                      | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application. |

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|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Immunohistochemistry Protocol</b> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> |
| <b>Note</b>                                      | <p>During shipment,small volumes of product will ocassionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Warning</b>                                   | <p>This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Preparation and Storage</b>                   | <p>Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze/thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

IMAGES



IHC (Immunohistochemistry)  
Anti-TACR3 antibody IHC of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

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|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TACR3 antibody | NK3R is a Tachykinin Receptor specific for neurokinin B, although its function is not well understood. |
| Product Categories/Family for anti-TACR3 antibody   | Family: GPCR; Subfamily: Tachykinin                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| NCBI GI #                        | 7669548                                                                               |
| NCBI GeneID                      | 6870                                                                                  |
| NCBI Accession #                 | NP_001050.1                                                                           |
| NCBI GenBank Nucleotide #        | NM_001059.2                                                                           |
| UniProt Accession #              | P29371; Q0P510                                                                        |
| NCBI Official Full Name          | neuromedin-K receptor                                                                 |
| NCBI Official Synonym Full Names | tachykinin receptor 3                                                                 |
| NCBI Official Symbol             | TACR3                                                                                 |
| NCBI Official Synonym Symbols    | NKR; HH11; NK3R; NK-3R; TAC3RL                                                        |
| NCBI Protein Information         | neuromedin-K receptor; NK-3 receptor; neurokinin B receptor; neurokinin beta receptor |
| UniProt Protein Name             | Neuromedin-K receptor                                                                 |
| UniProt Gene Name                | TACR3                                                                                 |
| UniProt Synonym Gene Names       | NK3R; TAC3R; NKR; NK-3R                                                               |
| UniProt Entry Name               | NK3R_HUMAN                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.