

## anti-Mouse, Human TGFR2 Polyclonal Antibody | anti-TGFR2 antibody

Anti-TGFR2 Antibody (aa13-40) IHC-plus

| CATALOG # | HOST                                  | REACTIVITY   | APPLICATIONS                                           |
|-----------|---------------------------------------|--------------|--------------------------------------------------------|
| AAA21269  | TGFR2 antibody was produced in Rabbit | Mouse, Human | Immunohistochemistry, Immunofluorescence, Western Blot |

### PRODUCT SYNONYMS

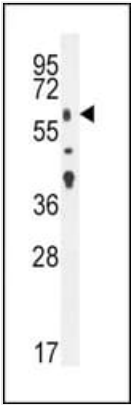
TGFR2; Polyclonal Antibody; Anti-TGFR2 Antibody (aa13-40) IHC-plus; Rabbit Polyclonal to Human TGFR2; Human TGFR2; AAT3; FAA3; HNPCC6; LDS2B; MFS2; TGF-beta receptor type-2; TGF-beta RII; TGFR2; TGF-beta type II receptor; TGFbeta-II; TbetaR-II; TGF beta Receptor II; TGF-beta receptor type II; TGF-beta receptor type IIB; TGFR-2; LDS1B; RIIC; TAAD2; anti-TGFR2 antibody

### PRODUCT SPECIFICATIONS

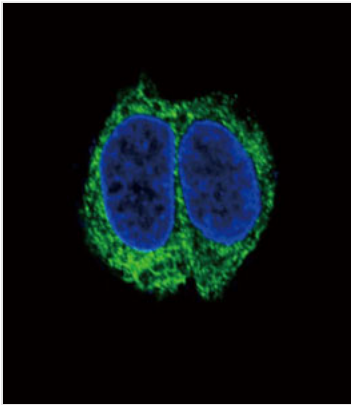
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|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | TGFR2 antibody was produced in Rabbit                                                                                                                                                                                                                                                                                 |
| Reactivity                                      | Mouse, Human                                                                                                                                                                                                                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                            |
| Specificity                                     | This TGFR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-40 amino acids from the N-terminal region of human TGFR2.                                                                                                                                                  |
| Purity/Purification                             | Protein A purified                                                                                                                                                                                                                                                                                                    |
| Form/Format                                     | PBS, 0.09% sodium azide                                                                                                                                                                                                                                                                                               |
| Sequence Length                                 | 567                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-TGFR2 antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                                                                |
| Application Notes                               | IHC-P (1:100)<br>IF (1:10 - 1:50)<br>WB (1:1000)<br><br>(Optimal dilution to be determined by the researcher.)                                                                                                                                                                                                        |
| Immunogen Species                               | TGFR2 antibody was raised against Human.                                                                                                                                                                                                                                                                              |
| Epitope                                         | aa13-40                                                                                                                                                                                                                                                                                                               |
| Family/Subfamily                                | Protein Kinase/ Activin/TGFB                                                                                                                                                                                                                                                                                          |
| 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, Inc. 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 thoughly 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>Maintain refrigerated at 2-8°C for up to 6 months.<br/>For long term storage store at -20°C.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

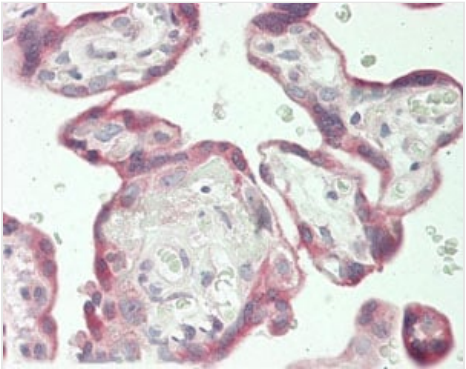
IMAGES



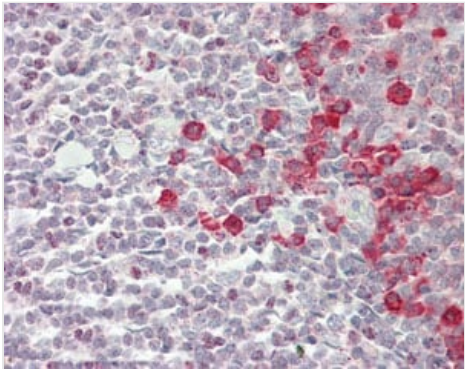
**WB (Western Blot)**  
TGFBR2 Antibody western blot of mouse lung tissue lysates (35 ug/lane). The TGFBR2 antibody detected the TGFBR2 protein (arrow).



**IF (Immunofluorescence)**  
Confocal immunofluorescence of TGFBR2 Antibody with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**IHC (Immunohistochemistry)**  
Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



**IHC (Immunohistochemistry)**  
Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 67782324                                                               |
| NCBI GeneID                      | 7048                                                                   |
| NCBI Accession #                 | NP_003233.4                                                            |
| NCBI GenBank Nucleotide #        | NM_003242.5                                                            |
| UniProt Accession #              | P37173; Q15580; Q6DKT6; Q99474; B4DTV5                                 |
| NCBI Official Full Name          | TGF-beta receptor type-2 isoform B                                     |
| NCBI Official Synonym Full Names | transforming growth factor beta receptor II                            |
| NCBI Official Symbol             | TGFBR2                                                                 |
| NCBI Official Synonym Symbols    | AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII |
| NCBI Protein Information         | TGF-beta receptor type-2                                               |
| UniProt Protein Name             | TGF-beta receptor type-2                                               |
| UniProt Gene Name                | <b>TGFBR2</b>                                                          |
| UniProt Synonym Gene Names       | TGFR-2; TGF-beta receptor type II; TbetaR-II                           |
| UniProt Entry Name               | TGFR2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tgfr2-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/21269>