

# Rabbit anti-Human, Mouse HTR3A Polyclonal Antibody | anti-HTR3A antibody

HTR3A Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                       |
|-----------|--------|--------------|------------------------------------------------------------------------------------|
| AAA327136 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

## PRODUCT SYNONYMS

HTR3A; Polyclonal Antibody; HTR3A Antibody; 5 HT 3; 5 HT3 receptor; 5 HT3A; 5 HT3A receptor; 5 HT3RA; 5 hydroxytryptamine (serotonin) receptor 3A; 5-HT-3; 5-HT3-A; 5-HT3A; 5-HT3R; 5-hydroxytryptamine receptor 3; 5-hydroxytryptamine receptor 3A; 5HT receptor; 5HT3 serotonin receptor; 5HT3A\_HUMAN; 5HT3R; HTR3; Htr3a; Serotonin receptor 3A; Serotonin-gated ion channel receptor 3a; Serotonin-gated ion channel receptor; anti-HTR3A antibody

## PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                               |
| Reactivity                                      | Human, Mouse                                                                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                                                           |
| Isotype                                         | IgG                                                                                                                                                                                  |
| Specificity                                     | HTR3A antibody detects endogenous levels of total HTR3A                                                                                                                              |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                                        |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                        |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                                               |
| Sequence Length                                 | 484                                                                                                                                                                                  |
| Applicable Applications for anti-HTR3A antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                             |
| Immunogen                                       | A synthesized peptide derived from human HTR3A                                                                                                                                       |
| Subcellular Location                            | Cell Junction, Synapse, Postsynaptic Cell Membrane. Cell Membrane.                                                                                                                   |
| Tissue Specificity                              | Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta. |
| Conjugation                                     | Unconjugated                                                                                                                                                                         |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                                                    |

## IMAGES



### IF (Immunofluorescence)

AAA327136 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



### IHC (Immunohistochemistry)

AAA327136 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**

Western blot analysis of Mouse brain lysate, using HTR3A Antibody. The lane on the left is treated with the antigen-specific peptide.

**ADDITIONAL INFORMATION**

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-HTR3A antibody</b> | <p>Description: The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit A of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It appears that the heteromeric combination of A and B subunits is necessary to provide the full functional features of this receptor, since either subunit alone results in receptors with very low conductance and response amplitude. Alternatively spliced transcript variants encoding different isoforms have been identified.</p> <p>Function: This is one of the several different receptors for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor is a ligand-gated ion channel, which when activated causes fast, depolarizing responses in neurons. It is a cation-specific, but otherwise relatively nonselective, ion channel.</p> <p>Subunit Structure: Forms pentahomomeric complex as well as pentaheteromeric complex with HTR3B or HTR3C or HTR3D or HTR3E; homomeric complex is functional but exhibits low conductance with modified voltage dependence, and decreased agonist and antagonist affinity. Interacts with RIC3.</p> <p>Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. 5-hydroxytryptamine receptor (TC 1.A.9.2) subfamily. HTR3A sub-subfamily.</p> |
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**NCBI AND UNIPROT INFORMATION**

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 253735700                                              |
| NCBI GeneID                      | 3359                                                   |
| NCBI Accession #                 | NP_000860.2                                            |
| NCBI GenBank Nucleotide #        | NM_000869.5                                            |
| UniProt Accession #              | P46098; O60854; Q7KZM7; Q99918; Q9BSZ9; B4DSY6; G5E986 |
| Molecular Weight                 | Observed: 55 kDa<br>Predicted: 56 kDa                  |
| NCBI Official Full Name          | 5-hydroxytryptamine receptor 3A isoform b              |
| NCBI Official Synonym Full Names | 5-hydroxytryptamine receptor 3A                        |
| NCBI Official Symbol             | HTR3A                                                  |
| NCBI Official Synonym Symbols    | HTR3; 5HT3R; 5-HT-3; 5-HT3A; 5-HT3R                    |
| NCBI Protein Information         | 5-hydroxytryptamine receptor 3A                        |
| UniProt Protein Name             | 5-hydroxytryptamine receptor 3A                        |
| UniProt Gene Name                | HTR3A                                                  |
| UniProt Synonym Gene Names       | 5HT3R; HTR3; 5-HT3-A; 5-HT3A; 5-HT-3; 5-HT3R           |

**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.