

HTR3A / 5-HT3A Receptor Antibody (aa21-36)
Rabbit Polyclonal Antibody
Catalog # ALS12085**Specification**

HTR3A / 5-HT3A Receptor Antibody (aa21-36) - Product Information

Application	WB, IHC
Primary Accession	P46098
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55kDa KDa

HTR3A / 5-HT3A Receptor Antibody (aa21-36) - Additional Information**Gene ID** 3359**Other Names**

5-hydroxytryptamine receptor 3A, 5-HT3-A, 5-HT3A, 5-hydroxytryptamine receptor 3, 5-HT-3, 5-HT3R, Serotonin receptor 3A, Serotonin-gated ion channel receptor, HTR3A, 5HT3R, HTR3

Target/Specificity

A mixture of synthetic peptides corresponding to amino acids 21-36 and 421-436 of rat 5-HT3 receptor

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

HTR3A / 5-HT3A Receptor Antibody (aa21-36) is for research use only and not for use in diagnostic or therapeutic procedures.

HTR3A / 5-HT3A Receptor Antibody (aa21-36) - Protein Information**Name** HTR3A ([HGNC:5297](#))**Synonyms** 5HT3R, HTR3**Function**

Forms serotonin (5-hydroxytryptamine/5-HT3)-activated cation- selective channel complexes, which when activated cause fast, depolarizing responses in neurons.

Cellular Location

Postsynaptic cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}.
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Tissue Location

Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the

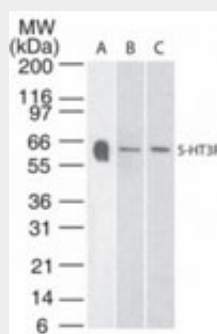
spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.

HTR3A / 5-HT3A Receptor Antibody (aa21-36) - Protocols

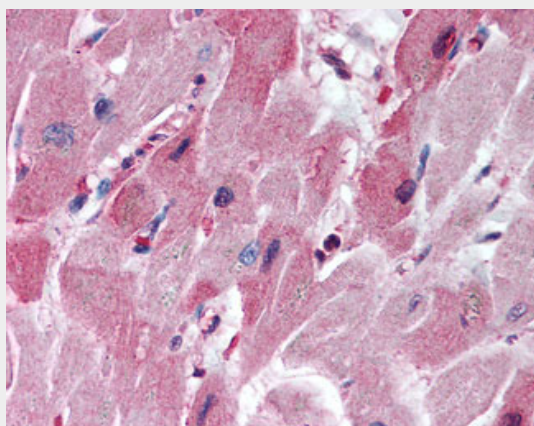
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTR3A / 5-HT3A Receptor Antibody (aa21-36) - Images



Western blot of 5-HT3R in human brain tissue lysate with anti-5-HT3R pcAb .



Anti-5HT3A receptor antibody IHC of human heart.

HTR3A / 5-HT3A Receptor Antibody (aa21-36) - Background

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.

HTR3A / 5-HT3A Receptor Antibody (aa21-36) - References

Miyake A.,et al.Mol. Pharmacol. 48:407-416(1995).
Belelli D.,et al.Mol. Pharmacol. 48:1054-1062(1995).
Bruess M.,et al.Ann. N. Y. Acad. Sci. 861:234-235(1998).
Bruess M.,et al.Neuropharmacology 39:308-315(2000).
Puhl H.L. III,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.