

HTR3A antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16210**Specification**

HTR3A antibody - N-terminal region - Product Information

Application	WB, IHC
Primary Accession	P46098
Other Accession	NM_000869 , NP_000860
Reactivity	Human, Mouse, Rat, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55kDa KDa

HTR3A antibody - N-terminal region - Additional Information**Gene ID** 3359**Alias Symbol** HTR3, 5HT3R, 5-HT-3, 5-HT3A, 5-HT3R**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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-HTR3A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

HTR3A antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

HTR3A antibody - N-terminal region - 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 LocationPostsynaptic cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}.
Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}

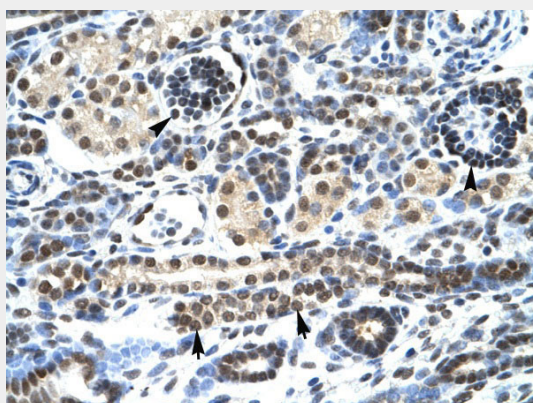
Tissue Location

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.

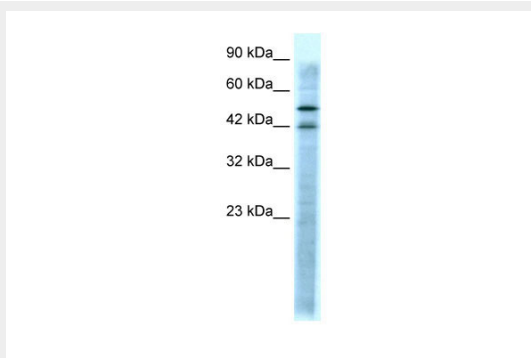
HTR3A antibody - N-terminal region - Protocols

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

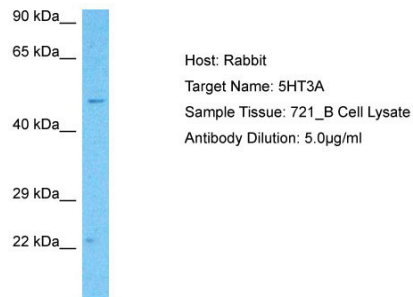
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HTR3A antibody - N-terminal region - Images

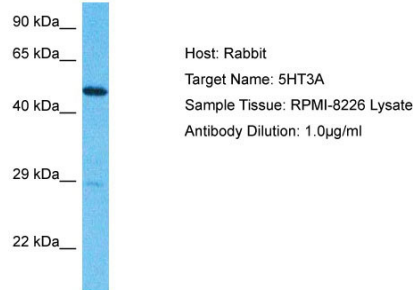
Human kidney



WB Suggested Anti-HTR3A Antibody Titration: 0.2-1 μ g/ml
Positive Control: Jurkat cell lysate



Host: Rabbit
Target Name: 5HT3A
Sample Tissue: 721_B Whole Cell lysates
Antibody Dilution: 5µg/ml



Host: Rabbit
Target Name: 5HT3A
Sample Tissue: RPMI-8226 lysates
Antibody Dilution: 1.0µg/ml

HTR3A antibody - N-terminal region - 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 antibody - N-terminal region - 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.