10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

HTR3A antibody - N-terminal region - Product Information

Application	**IHC, WB**
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 Location
Postsynaptic cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}. Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23979}

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

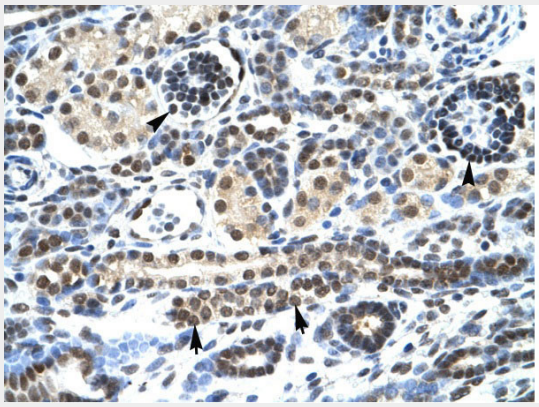
Tissue Location
Expressed in cerebral cortex, amygdala, hippocampus, and testis. Detected in monocytes of the spleen and tonsil, in small and large intestine, uterus, prostate, ovary and placenta.

HTR3A antibody - N-terminal region - Protocols

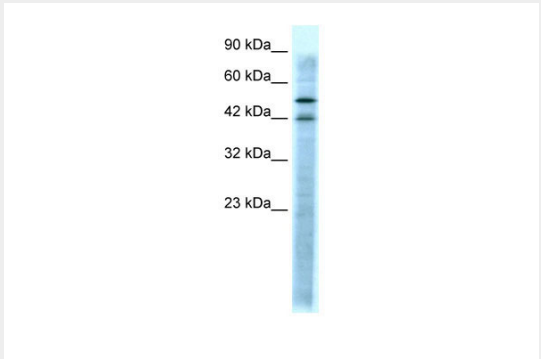
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HTR3A antibody - N-terminal region - Images

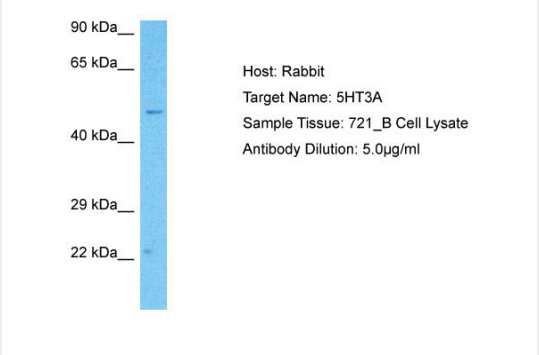


Human kidney

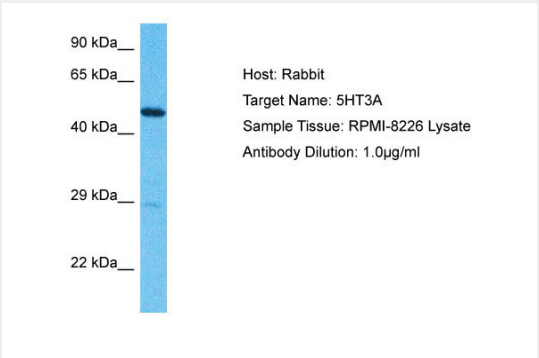


WB Suggested Anti-HTR3A Antibody Titration: 0.2-1 µg/ml
Positive Control: Jurkat cell lysate

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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.