

# HTR3A antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI16210

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">P46098</a>
<b>Other Accession</b>	<a href="#">NM_000869</a> , <a href="#">NP_000860</a>
<b>Reactivity</b>	Human, Mouse, Rat, Dog, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	55280

## Additional Information

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<b>Gene ID</b>	3359
<b>Alias Symbol</b>	HTR3, 5HT3R, 5-HT-3, 5-HT3A, 5-HT3R
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	HTR3A antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HTR3A ( <a href="#">HGNC:5297</a> )
<b>Synonyms</b>	5HT3R, HTR3
<b>Function</b>	Forms serotonin (5-hydroxytryptamine/5-HT3)-activated cation- selective channel complexes, which when activated cause fast, depolarizing responses in neurons.
<b>Cellular Location</b>	Postsynaptic 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.

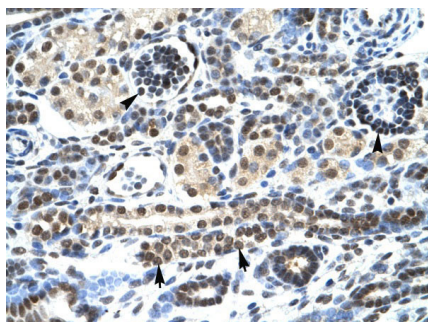
## Background

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.

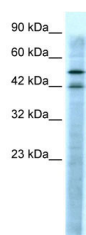
## References

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.

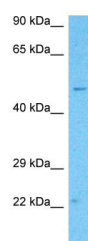
## Images



Human kidney



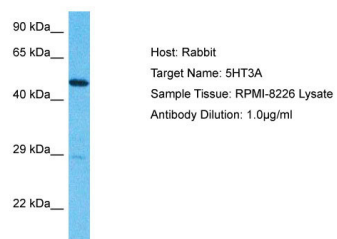
WB Suggested Anti-HTR3A Antibody Titration: 0.2-1 µg/ml  
Positive Control: Jurkat cell lysate



Host: Rabbit  
Target Name: 5HT3A  
Sample Tissue: 721\_B Cell Lysate  
Antibody Dilution: 5.0µg/ml

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

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.