

**HTR3A Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12192a****Specification**

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**HTR3A Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P46098</a>
Other Accession	<a href="#">NP_998786.2</a> , <a href="#">NP_000860.2</a> , <a href="#">NP_001155244.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55280
Antigen Region	30-58

**HTR3A Antibody (N-term) - 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**

This HTR3A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-58 amino acids from the N-terminal region of human HTR3A.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HTR3A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HTR3A Antibody (N-term) - 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}

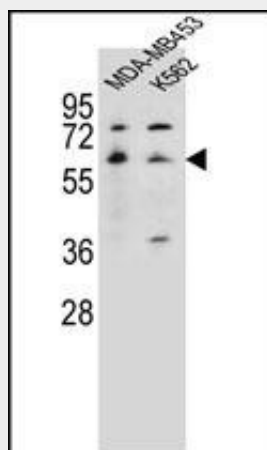
**Tissue Location**

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-term) - 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-term) - Images**

HTR3A Antibody (N-term) (Cat. #AP12192a) western blot analysis in MDA-MB453, K562 cell line lysates (35ug/lane). This demonstrates the HTR3A antibody detected the HTR3A protein (arrow).

**HTR3A Antibody (N-term) - Background**

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.

#### **HTR3A Antibody (N-term) - References**

Gatt, J.M., et al. Biol. Psychiatry 68(9):818-824(2010)  
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Gatt, J.M., et al. Depress Anxiety 27(8):752-759(2010)  
Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)  
Hammer, C., et al. Pharmacogenomics 11(7):943-950(2010)