

**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1976a****Specification**

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**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O95264</a>
Other Accession	<a href="#">NP_006019</a> , <a href="#">9177</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	50292

**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody - Additional Information****Gene ID** 9177**Other Names**

5-hydroxytryptamine receptor 3B, 5-HT3-B, 5-HT3B, Serotonin receptor 3B, HTR3B

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-Serotonin Receptor 3B / HTR3B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody - Protein Information****Name** HTR3B ([HGNC:5298](#))**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. Cell membrane; Multi-pass membrane protein. Note=Presumably retained within the endoplasmic reticulum unless complexed with HTR3A

**Tissue Location**

Expressed in the brain cortex, in the caudate nucleus, the hippocampus, the thalamus and the amygdala. Detected in the kidney and testis as well as in monocytes of the spleen, small and large intestine, uterus, prostate, ovary and placenta

**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody - 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](#)

**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody - Images**

AF1976a (1 µg/ml) staining of Human Cerebral Cortex lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody - Background**

The product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit B 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.

**Goat Anti-Serotonin Receptor 3B / HTR3B Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Ruaño G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615.

Polymorphism in HTR3D shows different risks for acute chemotherapy-induced vomiting after anthracycline chemotherapy. Hammer C, et al. Pharmacogenomics, 2010 Jul. PMID 20602613.

A coding variant of the novel serotonin receptor subunit 5-HT3E influences sustained attention in schizophrenia patients. Lennertz L, et al. Eur Neuropsychopharmacol, 2010 Jun. PMID 20356718.

Poor replication of candidate genes for major depressive disorder using genome-wide association data. Bosker FJ, et al. Mol Psychiatry, 2010 Mar 30. PMID 20351714.