

HTR3B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9214b**Specification****HTR3B Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [O95264](#)**HTR3B Antibody (C-term) Blocking Peptide -
Additional Information****Gene ID** 9177**Other Names**5-hydroxytryptamine receptor 3B, 5-HT3-B,
5-HT3B, Serotonin receptor 3B, HTR3B**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9214b](/products/AP9214b) was selected from the C-term region of human HTR3B. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HTR3B Antibody (C-term) Blocking Peptide -
Protein Information****Name** HTR3B**Function****HTR3B Antibody (C-term) Blocking Peptide
- Background**

The product of this protein belongs to the ligand-gated ion channel receptor superfamily. This protein 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.

**HTR3B Antibody (C-term) Blocking Peptide
- References**

Murata,Y., et.al., J Clin Psychopharmacol 30 (1), 11-17 (2010)Goecke,T.W., et.al, Acta Obstet Gynecol Scand 89 (1), 7-14 (2010)Hammer,C., et.al, Pharmacogenet. Genomics 19 (10), 790-799 (2009)

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. It is a cation-specific, but otherwise relatively nonselective, ion channel.

Cellular Location

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 hyppocampus, 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

**HTR3B Antibody (C-term) Blocking Peptide
- Protocols**

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

- [Blocking Peptides](#)