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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 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 (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

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HTR3B Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

HTR3B Antibody (C-term) Blocking Peptide - Images

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)