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HTR7 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16398b

Specification

HTR7 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P34969

HTR7 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3363

Other Names
5-hydroxytryptamine receptor 7, 5-HT-7, 5-HT7, 5-HT-X, Serotonin receptor 7, HTR7

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.

HTR7 Antibody (C-term) Blocking Peptide - Protein Information

Name HTR7

Function
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. The activity of this receptor is mediated by G proteins that stimulate adenylate cyclase.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Isoform A is the predominant isoform in spleen, caudate and hippocampus. Isoform B is expressed at lower levels Isoform D is a minor isoform in terms of expression

HTR7 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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HTR7 Antibody (C-term) Blocking Peptide - Images

HTR7 Antibody (C-term) Blocking Peptide - Background

The neurotransmitter, serotonin, is thought to play a rolein various cognitive and behavioral functions. The serotoninreceptor encoded by this gene belongs to the superfamily of Gprotein-coupled receptors and the gene is a candidate locus forinvolvement in autistic disorder and other neuropsychiatricdisorders. Three splice variants have been identified which encodeproteins that differ in the length of their carboxy terminal ends.

HTR7 Antibody (C-term) Blocking Peptide - References

Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Corominas, R., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (1), 177-184 (2010) :Wei, Z., et al. Prog. Neuropsychopharmacol. Biol. Psychiatry 33(3):547-551(2009)Iceta, R., et al. J. Physiol. Pharmacol. 60(1):157-164(2009)