

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-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



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 neuropsychiatric disorders. 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)