

**HTR4 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12604a****Specification**

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**HTR4 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q13639](#)**HTR4 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 3360**Other Names**

5-hydroxytryptamine receptor 4, 5-HT-4, 5-HT4, Serotonin receptor 4, HTR4

**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.

**HTR4 Antibody (N-term) Blocking peptide - Protein Information****Name** HTR4**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. Endosome. Note=Interaction with SNX27 mediates recruitment to early endosomes, while interaction with NHERF1 and EZR might target the protein to specialized subcellular regions, such as microvilli

**Tissue Location**

Isoform 5-HT4(A) is expressed in ileum, brain, and atrium, but not in the ventricle.

**HTR4 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **HTR4 Antibody (N-term) Blocking peptide - Images**

#### **HTR4 Antibody (N-term) Blocking peptide - Background**

This gene is a member of the family of serotonin receptors, which are G protein coupled receptors that stimulate cAMP production in response to serotonin (5-hydroxytryptamine). The gene product is a glycosylated transmembrane protein that functions in both the peripheral and central nervous system to modulate the release of various neurotransmitters. Multiple transcript variants encoding proteins with distinct C-terminal sequences have been described.

#### **HTR4 Antibody (N-term) Blocking peptide - References**

Hancock, D.B., et al. Nat. Genet. 42(1):45-52(2010) Maillet, M., et al. Biochem. J. 387 (PT 2), 463-471 (2005) :Brattelid, T., et al. Naunyn Schmiedeberg's Arch. Pharmacol. 369(6):616-628(2004) Hiroi, T., et al. Biochem. Biophys. Res. Commun. 289(2):337-344(2001) Bender, E., et al. J. Neurochem. 74(2):478-489(2000)