

P2RX1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16798b

Specification

P2RX1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P51575](#)

P2RX1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 5023

Other Names

P2X purinoceptor 1, P2X1, ATP receptor, Purinergic receptor, P2RX1, P2X1

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.

P2RX1 Antibody (C-term) Blocking Peptide - Protein Information

Name P2RX1

Synonyms P2X1

Function

Ligand-gated ion channel with relatively high calcium permeability. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Seems to be linked to apoptosis, by increasing the intracellular concentration of calcium in the presence of ATP, leading to programmed cell death (By similarity).

Cellular Location

Membrane; Multi-pass membrane protein.

P2RX1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

P2RX1 Antibody (C-term) Blocking Peptide - Images

P2RX1 Antibody (C-term) Blocking Peptide - Background

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with relatively high calcium permeability. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle, being responsible, for example, for sympathetic vasoconstriction in small arteries, arterioles and vas deferens. Mouse studies suggest that this receptor is essential for normal male reproductive function. It is possible that the development of selective antagonists for this receptor may provide an effective non-hormonal male contraceptive pill.

P2RX1 Antibody (C-term) Blocking Peptide - References

Allsopp, R.C., et al. J. Biol. Chem. 285(43):32770-32777(2010) Harper, M.T., et al. J. Thromb. Haemost. 8(7):1604-1613(2010) Lalo, U., et al. J. Neurochem. 113(5):1177-1187(2010) Varani, K., et al. Cell. Physiol. Biochem. 25 (2-3), 325-336 (2010) :Corriden, R., et al. Sci Signal 3 (104), RE1 (2010) :