

**P2RX2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16011a****Specification**

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**P2RX2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9UBL9](#)**P2RX2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22953**Other Names**

P2X purinoceptor 2, P2X2, ATP receptor, Purinergic receptor, P2RX2, P2X2

**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.

**P2RX2 Antibody (N-term) Blocking Peptide - Protein Information****Name** P2RX2**Synonyms** P2X2**Function**

Ion channel gated by extracellular ATP involved in a variety of cellular responses, such as excitatory postsynaptic responses in sensory neurons, neuromuscular junctions (NMJ) formation, hearing, perception of taste and peristalsis. In the inner ear, regulates sound transduction and auditory neurotransmission, outer hair cell electromotility, inner ear gap junctions, and K(+) recycling. Mediates synaptic transmission between neurons and from neurons to smooth muscle.

**Cellular Location**

Cell membrane; Multi-pass membrane protein Note=Localizes to the apical membranes of hair cells in the organ of Corti

**P2RX2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **P2RX2 Antibody (N-term) Blocking Peptide - Images**

#### **P2RX2 Antibody (N-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. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Six transcript variants encoding six distinct isoforms have been identified for this gene.

#### **P2RX2 Antibody (N-term) Blocking Peptide - References**

Allsopp, R.C., et al. J. Biol. Chem. 285(43):32770-32777(2010) Decker, D.A., et al. Neurogastroenterol. Motil. 22(8):901-908(2010) Coddou, C., et al. J. Neurosci. 29(39):12284-12291(2009) Pannek, J., et al. Spinal Cord 47(7):561-564(2009) Chaumont, S., et al. Sci Signal 1 (41), RA8 (2008) :