

P2RX2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16011a

Specification

P2RX2 Antibody (N-term) - Product Information

Application WB,E
Primary Accession Q9UBL9

Other Accession NP 057402.1, NP 777362.1, NP 733783.1

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

Human
Rabbit
Polyclonal
Rabbit IgG
S1754
81-109

P2RX2 Antibody (N-term) - Additional Information

Gene ID 22953

Other Names

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

Target/Specificity

This P2RX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-109 amino acids from the N-terminal region of human P2RX2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

P2RX2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

P2RX2 Antibody (N-term) - Protein Information

Name P2RX2

Synonyms P2X2



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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

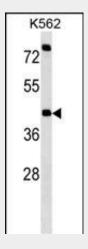
Cell membrane; Multi-pass membrane protein Note=Localizes to the apical membranes of hair cells in the organ of Corti

P2RX2 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

P2RX2 Antibody (N-term) - Images



P2RX2 Antibody (N-term) (Cat. #AP16011a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the P2RX2 antibody detected the P2RX2 protein (arrow).

P2RX2 Antibody (N-term) - 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) - 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) :