

P2RX6 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17114c

Specification

P2RX6 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O15547
Other Accession	NP_001153026.1 , NP_005437.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	48829
Antigen Region	198-226

P2RX6 Antibody (Center) - Additional Information

Gene ID 9127

Other Names

P2X purinoceptor 6, P2X6, ATP receptor, P2XM, Purinergic receptor, Purinergic receptor P2X-like 1, P2RX6, P2RXL1, P2X6

Target/Specificity

This P2RX6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 198-226 amino acids from the Central region of human P2RX6.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

P2RX6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

P2RX6 Antibody (Center) - Protein Information

Name P2RX6

Synonyms P2RXL1, P2X6

Function May act as a modulatory subunit rather than a functional channel. Unlike other P2XRs members, P2RX6 does not seem to form functional homotrimers (PubMed:[22378790](#)). P2RX6 requires the presence of P2RX4 or P2RX2 to shuttle it to the plasma membrane where it may form functional heterotrimeric receptors at the plasma membrane (PubMed:[22378790](#)). P2RX6 can be translocated to the nucleus and functions as a nuclear regulator of post-transcriptional modifications in neurons (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P51579}; Multi-pass membrane protein. Endoplasmic reticulum {ECO:0000250|UniProtKB:P51579}. Nucleus {ECO:0000250|UniProtKB:O54803} Nucleus inner membrane {ECO:0000250|UniProtKB:O54803}; Multi-pass membrane protein.

Note=Heteromerization of P2RX6 subunits with either P2RX2 or P2RX4 subunits guides the P2RX6 subunit to the plasma membrane (By similarity). Monomers remain anchored to the endoplasmic reticulum (ER) membrane by the hydrophobic N-terminal end (By similarity). Mainly expressed in the cell body of the hippocampal neurons (By similarity). {ECO:0000250|UniProtKB:O54803, ECO:0000250|UniProtKB:P51579}

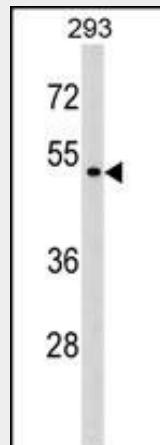
Tissue Location

Expressed predominantly in skeletal muscle.

P2RX6 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

P2RX6 Antibody (Center) - Images

P2RX6 Antibody (Center) (Cat. #AP17114c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the P2RX6 antibody detected the P2RX6 protein (arrow).

P2RX6 Antibody (Center) - Background

The protein encoded by this gene belongs to the family of P2X receptors, which are ATP-gated ion channels and mediate rapid and selective permeability to cations. This gene is predominantly expressed in skeletal muscle, and regulated by p53. The encoded protein is associated with VE-cadherin at the adherens junctions of human umbilical vein endothelial cells. Alternative splicing results in multiple transcript variants. A related pseudogene, which is also located on chromosome 22, has been identified.

P2RX6 Antibody (Center) - References

Trynka, G., et al. Gut 58(8):1078-1083(2009)
Luke, M.M., et al. Stroke 40(2):363-368(2009)
Palomino-Doza, J., et al. Hypertension 52(5):980-985(2008)
Shiffman, D., et al. Arterioscler. Thromb. Vasc. Biol. 28(1):173-179(2008)
Dubyak, G.R. Mol. Pharmacol. 72(6):1402-1405(2007)