

P2RX7 / P2X7 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11129**Specification**

P2RX7 / P2X7 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q99572
Reactivity	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69kDa KDa

P2RX7 / P2X7 Antibody (Internal) - Additional Information**Gene ID** 5027**Other Names**

P2X purinoceptor 7, P2X7, ATP receptor, P2Z receptor, Purinergic receptor, P2RX7

Target/Specificity

Human P2RX7 / P2X7. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except DDX59 (56%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

P2RX7 / P2X7 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

P2RX7 / P2X7 Antibody (Internal) - Protein Information**Name** P2RX7**Function**

Receptor for ATP that acts as a ligand-gated ion channel. Responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Could function in both fast synaptic transmission and the ATP-mediated lysis of antigen-presenting cells. In the absence of its natural ligand, ATP, functions as a scavenger receptor in the recognition and engulfment of apoptotic cells (PubMed: [21821797](http://www.uniprot.org/citations/21821797), PubMed: [23303206](http://www.uniprot.org/citations/23303206)).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Widely expressed with highest levels in brain and immune tissues.

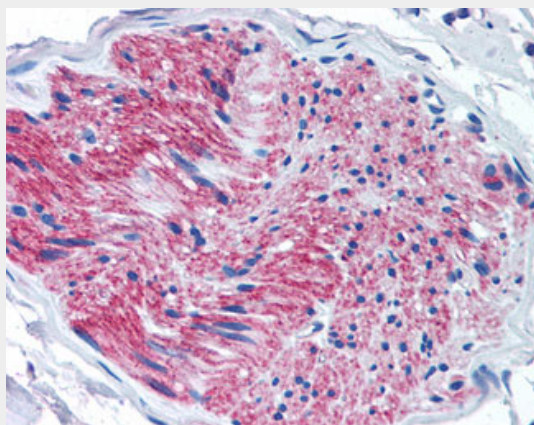
Volume

50 µl

P2RX7 / P2X7 Antibody (Internal) - 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](#)

P2RX7 / P2X7 Antibody (Internal) - Images

Anti-P2RX7 / P2X7 antibody ALS11129 IHC of human pancreas, nerve.

P2RX7 / P2X7 Antibody (Internal) - Background

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P2RX7 / P2X7 Antibody (Internal) - References

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Buell G.N., et al. Recept. Channels 5:347-354(1998).
Cheewatrakoolpong B., et al. Biochem. Biophys. Res. Commun. 332:17-27(2005).
Ota T., et al. Nat. Genet. 36:40-45(2004).
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