

P2RX7 / P2X7 Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13380

Specification

P2RX7 / P2X7 Antibody (N-Terminus) - Product Information

Application	WB, IHC
Primary Accession	Q99572
Reactivity	Human, Hamster, Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	69kDa KDa

P2RX7 / P2X7 Antibody (N-Terminus) - Additional Information

Gene ID 5027

Other Names

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

Target/Specificity

Human P2RX7 / P2X7.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

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

P2RX7 / P2X7 Antibody (N-Terminus) - 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

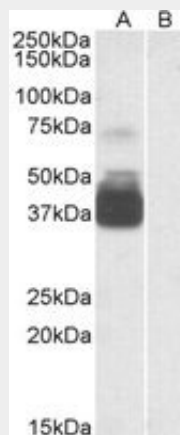
Widely expressed with highest levels in brain and immune tissues.

P2RX7 / P2X7 Antibody (N-Terminus) - Protocols

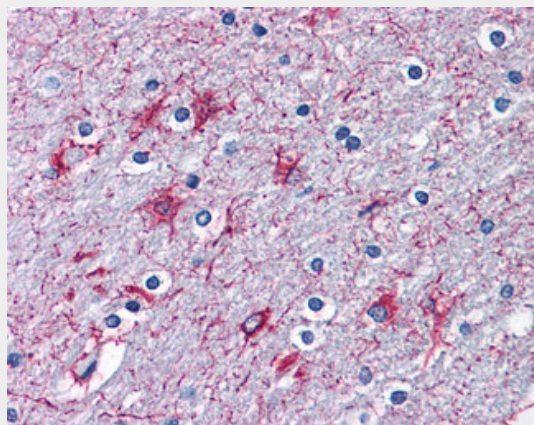
Provided below are standard protocols that you may find useful for product applications.

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

P2RX7 / P2X7 Antibody (N-Terminus) - Images



P2RX7 antibody staining (0.3 ug/ml) of Human Brain (Frontal Cortex) lysate (35 ug protein in...



Anti-P2RX7 / P2X7 antibody IHC of human brain, cortex.

P2RX7 / P2X7 Antibody (N-Terminus) - Background

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.

P2RX7 / P2X7 Antibody (N-Terminus) - References

Rassendren F., et al. J. Biol. Chem. 272:5482-5486(1997).
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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