10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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, PubMed:23303206).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Widely expressed with highest levels in brain and immune tissues.

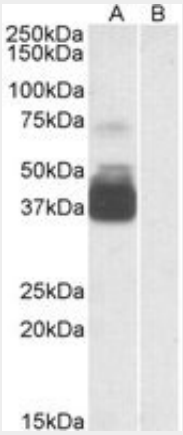
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

P2RX7 / P2X7 Antibody (N-Terminus) - Protocols

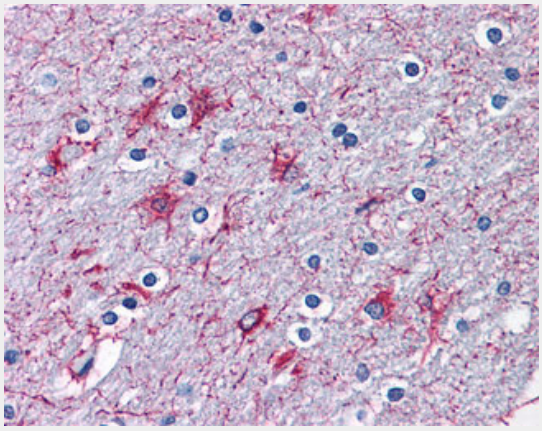
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).
Scherer S.E.,et al.Nature 440:346-351(2006).