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

P2RX3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18847b

Specification

P2RX3 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P56373
Other Accession	NP_002550.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**44289**
Antigen Region	**330-356**

P2RX3 Antibody (C-term) - Additional Information

Gene ID 5024

Other Names
P2X purinoceptor 3, P2X3, ATP receptor, Purinergic receptor, P2RX3

Target/Specificity
This P2RX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 330-356 amino acids from the C-terminal region of human P2RX3.

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
P2RX3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

P2RX3 Antibody (C-term) - Protein Information

Name P2RX3

Function Receptor for ATP that acts as a ligand-gated cation channel (PubMed:27626375). Plays a role in sensory perception. Required for normal perception of pain. Required for normal taste

perception (By similarity).

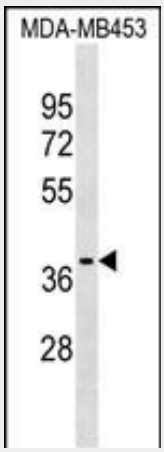
Cellular Location
Cell membrane; Multi-pass membrane protein

P2RX3 Antibody (C-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

P2RX3 Antibody (C-term) - Images



P2RX3 Antibody (C-term)(Cat. #AP18847b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the P2RX3 antibody detected the P2RX3 protein (arrow).

P2RX3 Antibody (C-term) - Background

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and may transduce ATP-evoked nociceptor activation. Mouse studies suggest that this receptor is important for peripheral pain responses, and also participates in pathways controlling urinary bladder volume reflexes. It is possible that the development of selective antagonists for this receptor may have a therapeutic potential in pain relief and in the treatment of disorders of urine storage.

P2RX3 Antibody (C-term) - References

Allsopp, R.C., et al. J. Biol. Chem. 285(43):32770-32777(2010)
Beneng, K., et al. Int J Oral Maxillofac Surg 39(8):815-819(2010)
Nair, A., et al. Cell. Mol. Neurobiol. 30(4):505-509(2010)

Jacques-Silva, M.C., et al. Proc. Natl. Acad. Sci. U.S.A. 107(14):6465-6470(2010)
Varani, K., et al. Cell. Physiol. Biochem. 25 (2-3), 325-336 (2010) :