

**P2RX5 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14059b**

## Specification

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### P2RX5 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	<a href="#">O93086</a>
Other Accession	<a href="#">NP_002552.2</a> , <a href="#">NP_778255.1</a> , <a href="#">NP_778256.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49303
Antigen Region	325-353

### P2RX5 Antibody (C-term) - Additional Information

**Gene ID** 5026

#### Other Names

P2X purinoceptor 5, P2X5, ATP receptor, Purinergic receptor, P2RX5, P2X5

#### Target/Specificity

This P2RX5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 325-353 amino acids from the C-terminal region of human P2RX5.

#### Dilution

WB~~1:1000  
IHC-P~~1:10~50

#### 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

P2RX5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### P2RX5 Antibody (C-term) - Protein Information

**Name** P2RX5 ([HGNC:8536](#))

**Function** [Isoform 6]: ATP-gated nonselective transmembrane cation channel permeable to

potassium, sodium and calcium (PubMed:[12761352](#)). Unlike, other P2RX receptors, the P2RX5 receptor is also permeable to chloride (PubMed:[12761352](#)). May play a supporting role in the inflammatory response (By similarity).

#### Cellular Location

[Isoform 6]: Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P56373}.  
Note=The absence of the exon 10-encoded amino acids substantially results in subunit aggregation and retention in the cell cytoplasm

#### Tissue Location

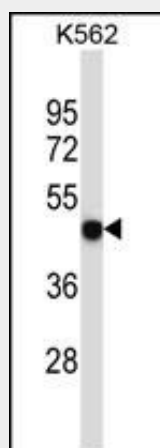
Expressed at high levels in brain and immune system

### P2RX5 Antibody (C-term) - Protocols

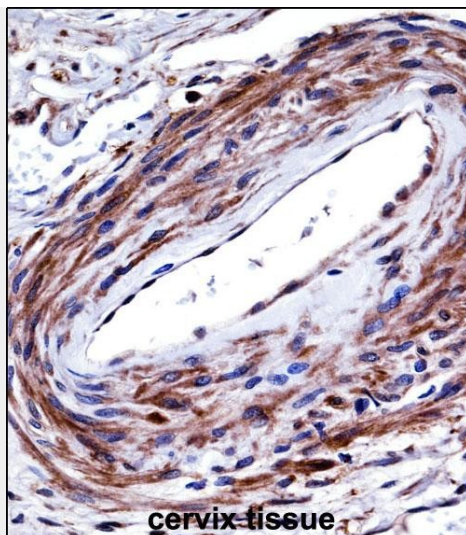
Provided below are standard protocols that you may find useful for product applications.

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

### P2RX5 Antibody (C-term) - Images



P2RX5 Antibody (C-term) (Cat. #AP14059b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the P2RX5 antibody detected the P2RX5 protein (arrow).



P2RX5 Antibody (C-term) (AP14059b) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of P2RX5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **P2RX5 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. Several characteristic motifs of ATP-gated channels are present in its primary structure, but, unlike other members of the purinoceptors family, this receptor has only a single transmembrane domain. Three transcript variants encoding distinct isoforms have been identified for this gene.

#### **P2RX5 Antibody (C-term) - References**

- Kotnis, S., et al. Mol. Pharmacol. 77(6):953-960(2010)
- Overes, I.M., et al. Cancer Immunol. Immunother. 58(3):429-439(2009)
- Dubyak, G.R. Mol. Pharmacol. 72(6):1402-1405(2007)
- Lamesch, P., et al. Genomics 89(3):307-315(2007)
- Duckwitz, W., et al. J. Biol. Chem. 281(51):39561-39572(2006)