

# P2RX5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5538

## Product Information

---

Application	IHC-P, WB
Primary Accession	<a href="#">Q93086</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49303
Isotype	Rabbit IgG
Antigen Source	HUMAN

## Additional Information

---

Gene ID	5026
Antigen Region	325-353
Other Names	P2X purinoceptor 5, P2X5, ATP receptor, Purinergic receptor, P2RX5, P2X5
Dilution	IHC-P~~1:100~500 WB~~1:1000
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.
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.

## Protein Information

---

Name	P2RX5 ( <a href="#">HGNC:8536</a> )
Function	[Isoform 6]: ATP-gated nonselective transmembrane cation channel permeable to potassium, sodium and calcium (PubMed: <a href="#">12761352</a> ). Unlike other P2RX receptors, the P2X5 receptor is also permeable to chloride (PubMed: <a href="#">12761352</a> ). 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

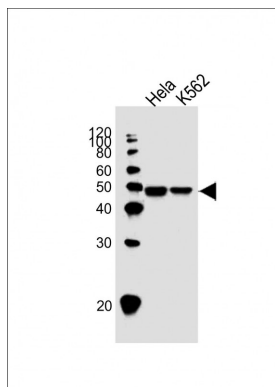
## Background

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.

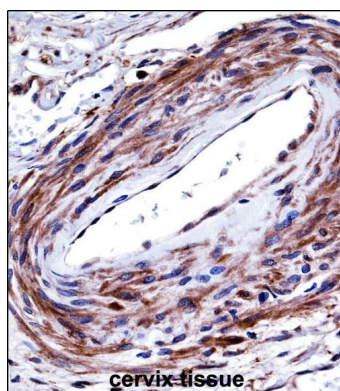
## References

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)

## Images



All lanes : Anti-P2RX5 Antibody (C-term) at 1:1000 dilution  
Lane 1: HeLa whole cell lysate Lane 2: K562 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



P2RX5 Antibody (C-term) (AW5538) 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.