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P2RX5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14059b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q93086
Other Accession	NP_002552.2, NP_778255.1, NP_778256.1
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34144
Calculated MW	49303
Antigen Region	325-353

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~~1:100~500 E~~Use at an assay dependent concentration.
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 (HGNC:8536)
Function	[Isoform 6]: ATP-gated nonselective transmembrane cation channel permeable to potassium, sodium and calcium (PubMed:12761352). Unlike other P2RX receptors, the P2X5 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

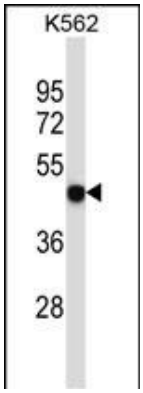
Background

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.

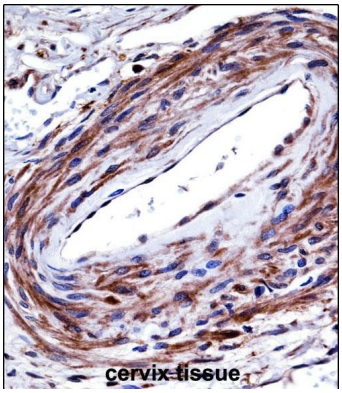
References

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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.

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