

Rabbit P2RX1 Polyclonal Antibody | anti-P2RX1 antibody

P2RX1 antibody - middle region

CATALOG # AAA197918	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

P2RX1; Polyclonal Antibody; P2RX1 antibody - middle region; anti-P2RX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: VV GITIDWHCDL DWHVRHCRPI YEFHGLYEEK NLSPGFNFRF ARHFVENG
Sequence Length	399
Applicable Applications for anti-P2RX1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 86%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human P2RX1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-P2RX1 Antibody Titration: 2.5ug/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate

IHC (Immunohistochemistry)

Human Pancreas

ADDITIONAL INFORMATION

Related Product Information for anti-P2RX1 antibody	This is a rabbit polyclonal antibody against P2RX1. It was validated on Western Blot and immunohistochemistry Target Description: P2RX1 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with relatively high calcium permeability. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle, being responsible, for example, for sympathetic vasoconstriction in small arteries, arterioles and vas deferens. Mouse studies suggest that this receptor is essential for normal male reproductive function. It is possible that the development of selective antagonists for this receptor may provide an effective non-hormonal male contraceptive pill.The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with relatively high calcium permeability. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle, being responsible, for example, for sympathetic vasoconstriction in small arteries, arterioles and vas deferens. Mouse studies suggest that this receptor is essential for normal male reproductive function. It is possible that the development of selective antagonists for this receptor may provide an effective non-hormonal male contraceptive pill.
Product Categories/Family for anti-P2RX1 antibody	Polyclonal; Ion Channel; Membrane Protein; Developmental Biology; DNA/RNA/Protein Interactions; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505545
NCBI GeneID	5023
NCBI Accession #	NP_002549
NCBI GenBank Nucleotide #	NM_002558
UniProt Accession #	P51575
Molecular Weight	45kDa
NCBI Official Full Name	P2X purinoceptor 1
NCBI Official Synonym Full Names	purinergic receptor P2X 1
NCBI Official Symbol	P2RX1
NCBI Official Synonym Symbols	P2X1
NCBI Protein Information	P2X purinoceptor 1
UniProt Protein Name	P2X purinoceptor 1
UniProt Gene Name	P2RX1
UniProt Synonym Gene Names	P2X1; P2X1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p2rx1-antibody-western-blot-immunohistochemistry-elisa/197918>