



Rabbit Anti-P2RX5 antibody

SL12108R

Product Name:	P2RX5
Chinese Name:	三磷酸腺苷受体P2X5抗体
Alias:	ATP receptor; ATP receptor subunit; Ionotropic ATP receptor P2X5; LRH 1; LRH1; Lymphoid restricted histocompatibility antigen 1; MGC47755; P2rx5; P2RX5_HUMAN; P2X purinoceptor 5; P2X5; P2X5R; Purinergic receptor; Purinergic receptor P2X ligand gated ion channel 5; Purinergic receptor P2X5.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human P2RX5:251-350/422<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The P2X receptor family is comprised of ligand-gated ion channels that allow for the increased permeability of calcium into the cell in response to extracellular ATP. The seven P2X receptors, P2X1-P2X7, form either homomeric or heteromeric channels or

both. They are characterized by intracellular amino- and carboxy-termini. P2X receptors are expressed in a wide variety of tissues, including neurons, prostate, bladder, pancreas, colon, testis and ovary. The major function of the P2X receptors is to mediate synaptic transmissions between neurons and to other tissues via the binding of extracellular ATP, which acts as a neurotransmitter. The P2X receptors may be involved in the onset of necrosis or apoptosis after prolonged exposure to high concentrations of extracellular ATP.

Function:

Receptor for ATP that acts as a ligand-gated ion channel.

Subunit:

Functional P2XRs are organized as homomeric and heteromeric trimers

Subcellular Location:

Membrane; Multi-pass membrane protein.

Tissue Specificity:

Expressed at high levels in brain and immune system.

Similarity:

Belongs to the P2X receptor family.

SWISS:

Q93086

Gene ID:

5026

Database links:

[Entrez Gene: 5026](#) Human

[Entrez Gene: 94045](#) Mouse

[Entrez Gene: 113995](#) Rat


[Omim: 602836](#) Human

[SwissProt: Q93086](#) Human

[SwissProt: P51578](#) Rat

[Unigene: 408615](#) Human

[Unigene: 731607](#) Human

	<p>Unigene: 156893 Mouse</p> <p>Unigene: 10257 Rat</p> <p>Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.</p>
Picture:	<div data-bbox="435 562 1547 642" style="background-color: #e0e0e0; padding: 5px; text-align: center;"></div> <p>Sample: Heart (Mouse) Lysate at 40 ug</p> <p>Primary: Anti-P2RX5 (SL12108R) at 1/300 dilution</p> <p>Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL12108R) at 1/5000 dilution</p> <p>Predicted band size: 47 kD</p> <p>Observed band size: 47 kD</p>

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