




## Rabbit Anti-P2RX7 antibody

SL12106R

<b>Product Name:</b>	P2RX7
<b>Chinese Name:</b>	嘌呤受体P2X7抗体
<b>Alias:</b>	ATP receptor; P2X purinoceptor 7; P2X7; P2Z receptor; Purinergic receptor; purinergic receptor P2X, ligand gated ion channel 7; P2RX7_HUMAN.
<b>文献引用</b>  :	<b>Specific References(1)</b>  SL12106R has been referenced in 1 publications. <b>[IF=1.88]</b> Peng, Kuang, et al. "P2X7R is involved in the progression of atherosclerosis by promoting NLRP3 inflammasome activation." International Journal of Molecular Medicine. <b>IHC-F;Human.</b> <a href="#">PubMed:25761252</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	69kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human P2RX7:115-160/595<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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.</p> <p><b>Function:</b> The product P2RX7 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression.</p> <p><b>Subunit:</b> Functional P2XRs are organized as homomeric and heteromeric trimers. Interacts with LAMA3, ITGB2, ACTB, ACTN4, SVIL, MPP3, HSPA1, HSPCB, HSPA8, PIK230 and PTPRB.</p> <p><b>Subcellular Location:</b> Cell membrane; Multi-pass membrane protein.</p> <p><b>Post-translational modifications:</b> Phosphorylation results in its inactivation. ADP-ribosylation at Arg-125 is necessary and sufficient to activate P2RX7 and gate the channel (By similarity). Palmitoylation of several cysteines in the C-terminal cytoplasmic tail is required for efficient localization to cell surface.</p> <p><b>Similarity:</b> Belongs to the P2X receptor family.</p> <p><b>SWISS:</b> Q99572</p> <p><b>Gene ID:</b> 5027</p> <p><b>Database links:</b></p>

[Entrez Gene: 5027](#) Human

[Entrez Gene: 18439](#) Mouse

[Entrez Gene: 29665](#) Rat

[Omim: 602566](#) Human

[SwissProt: Q99572](#) Human

[SwissProt: Q9Z1M0](#) Mouse

[SwissProt: Q64663](#) Rat

[Unigene: 729169](#) Human

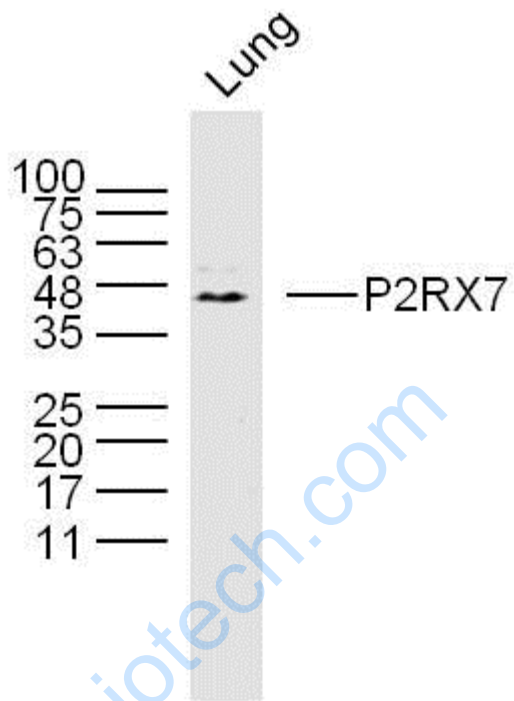
[Unigene: 42026](#) Mouse

[Unigene: 10510](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Lung (Mouse) Lysate at 40 ug

Primary: Anti- P2RX7 (SL12106R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 69 kD

Observed band size: 69 kD