



Rabbit Anti-P2Y11 antibody

SL12071R

Product Name:	P2Y11
Chinese Name:	G蛋白偶联嘌呤受体p2y11抗体
Alias:	P2RY11; P2Y purinoceptor 11; P2Y11; P2Y11 receptor; P2Y11_HUMAN; Purinergic receptor P2Y G protein coupled 11; Purinergic receptor P2Y11.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Pig,Cow,Horse,
Applications:	ELISA=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:	40kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human P2Y11:71-170/374<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:	P2Y purinoceptor 11 (P2Y11) is a 374 amino acid protein belonging to the G-protein coupled receptor one family. P2Y11 is a multi-pass cell membrane protein that acts as a receptor for both ATP and ADP coupled to G proteins. Due to these interactions, P2Y11 is involved in phosphatidylinositol-calcium and adenylyl cyclase pathways. Induced by DMSO and retinoic acid, P2Y11 is highly expressed in spleen tissue. A

putative trans-splicing event involving the gene that encodes P2Y11 and an upstream gene encoding PPAN has been found to result in a fusion protein, designated PPAN-P2RY11.

Function:

Receptor for ATP and ADP coupled to G-proteins that activate both phosphatidylinositol-calcium and adenylyl cyclase second messenger systems. Not activated by UTP or UDP.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Highest expression in liver and spleen.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

Q96G91

Gene ID:

5032

Database links:

[Entrez Gene: 5032](#)Human

[Omid: 602697](#)Human

[SwissProt: Q96G91](#)Human

[Unigene: 14468](#)Human

Important Note:

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