



Rabbit Anti-P2Y8 antibody

SL12073R

Product Name:	P2Y8
Chinese Name:	G蛋白偶联嘌呤受体p2y8抗体
Alias:	P2RY8; P2RY8_HUMAN; P2Y purinoceptor 8; P2Y8; Purinergic receptor P2Y G protein coupled 8.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=2ug/TestICC=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:	41kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human P2Y8:131-230/359<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:	G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G-protein coupled receptors translate extracellular signals into intracellular signals (G-protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters.

P2RY8 (purinergic receptor P2Y, G-protein coupled, 8), also known as P2Y8, is a 359 amino acid multi-pass membrane protein that localizes to the cell membrane and belongs to the G protein-coupled receptor family. Expressed at low levels in lung, heart and kidney, P2RY8 may function as a receptor for purines that are coupled to G proteins and may also play a role in mental retardation.

Function:

Probable receptor for purines coupled to G-proteins.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Barely detectable in normal blood leukocytes. Weaker expression was seen in heart, kidney and lung. Not detected in brain.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

Q86VZ1

Gene ID:

286530

Database links:

[Entrez Gene: 286530](#)Human

[Omim: 300525](#)Human

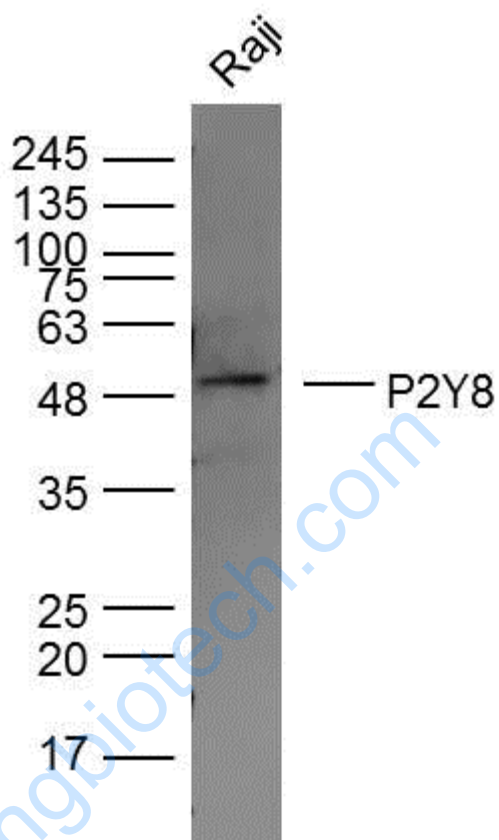
[SwissProt: Q86VZ1](#)Human

[Unigene: 111377](#)Human

Important Note:

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

Picture:



Sample:

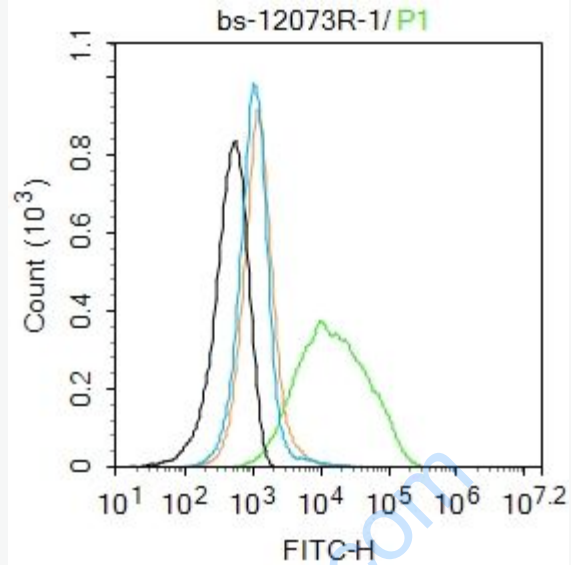
Raji Cell (Human) Lysate at 30 ug

Primary: Anti- P2Y8 (SL12073R) at 1/300 dilution

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

Predicted band size: 66 kD

Observed band size: 50 kD



Blank control: HL60.

Primary Antibody (green line): Rabbit Anti-P2Y8 antibody (SL12073R)

Dilution: $2\mu\text{g} / 10^6$ cells;

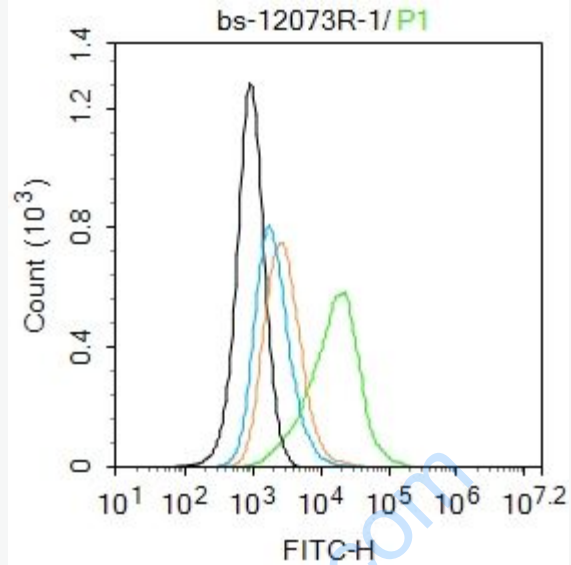
Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (blue line): Goat anti-rabbit IgG-AF488

Dilution: $1\mu\text{g} / \text{test}$.

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature.The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: Raji.

Primary Antibody (green line): Rabbit Anti-P2Y8 antibody (SL12073R)

Dilution: 2 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF488

Dilution: 1 μ g /test.

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.