



## Rabbit Anti-P2Y10 antibody

SL12070R

<b>Product Name:</b>	P2Y10
<b>Chinese Name:</b>	G蛋白偶联嘌呤受体p2y10抗体
<b>Alias:</b>	G protein coupled purinergic receptor P2Y10; P2ry10; P2Y like receptor; P2Y purinoceptor 10; P2Y-like receptor; P2Y10; P2Y10_HUMAN; Purinergic receptor P2Y G protein coupled 10; Putative P2Y purinoceptor 10.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<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 P2Y10:151-250/339<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>	Nucleotides are important extracellular signaling molecules that mediate several events, such as cell proliferation, differentiation, chemotaxis and cytokine release. The P2 receptor family is activated by the binding of nucleotides and is divided into two subfamilies, designated P2X and P2Y. The P2Y receptor family are G protein-coupled receptors that mediate the effects of extracellular nucleotides, primarily through the

activation of phospholipase C (PLC). To some extent, the P2Y receptors can also activate potassium channels or, alternatively, inhibit adenylate cyclase and N-type calcium channels in response to extracellular nucleotides. P2Y<sub>10</sub> (purinergic receptor P2Y, G-protein coupled, 10), also known as P2RY<sub>10</sub>, is a 339 amino acid multi-pass membrane protein that is thought to act as a receptor for purines coupled to G-proteins. P2Y<sub>10</sub> is found at low levels in blood leukocytes and is upregulated during promyelocytic cell differentiation.

**Function:**

Putative receptor for purines coupled to G-proteins.

**Subcellular Location:**

Cell membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Weakly expressed in blood leukocytes.

**Similarity:**

Belongs to the G-protein coupled receptor 1 family.

**SWISS:**

O00398

**Gene ID:**

27334

**Database links:**

[Entrez Gene: 27334](#)Human

[Entrez Gene: 78826](#)Mouse

[Omim: 600515](#)Human

[SwissProt: O00398](#)Human

[SwissProt: Q8BFU7](#)Mouse

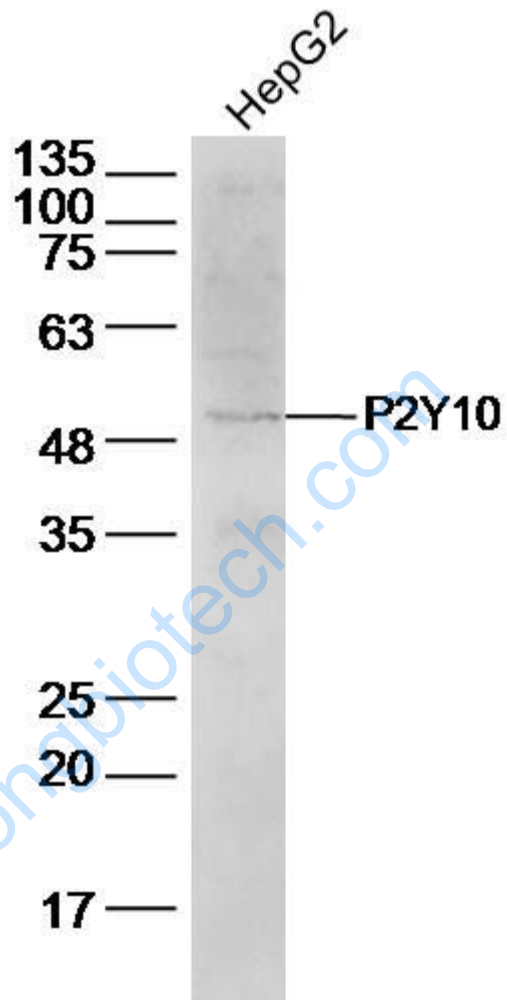
[Unigene: 296433](#)Human

[Unigene: 74639](#)Mouse

**Important Note:**

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

Picture:



Sample:

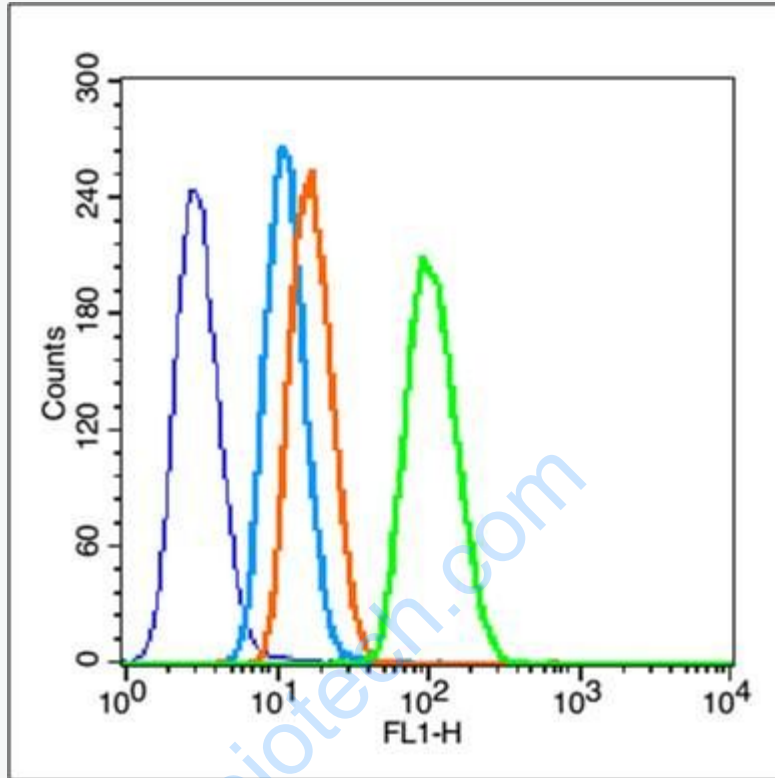
HepG2 cell(human) Lysate at 30 ug

Primary: Anti-P2Y10(SL12070R) at 1/500 dilution

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

Predicted band size: 39kD

Observed band size: 49 kD



Blank control (blue line): raji (fixed with pre-warmed 4% paraformaldehyde for 30min at 37°C)

Primary Antibody (green line): Rabbit Anti-P2Y10 antibody (SL12070R), Dilution: 0.2  $\mu\text{g}$  /  $10^6$  cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1  $\mu\text{g}$  / test.