

## 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>Research Area</b>	Cell biology Neurobiology Signal transduction G protein-coupled receptor G protein signal
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human(predicted:Mouse,Rat,Horse,Rabbit) WB=1:500-2000,Flow-Cyt=1μg/Test
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	39kDa
<b>Cellular localization</b>	The cell membrane
<b>Form</b>	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>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<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

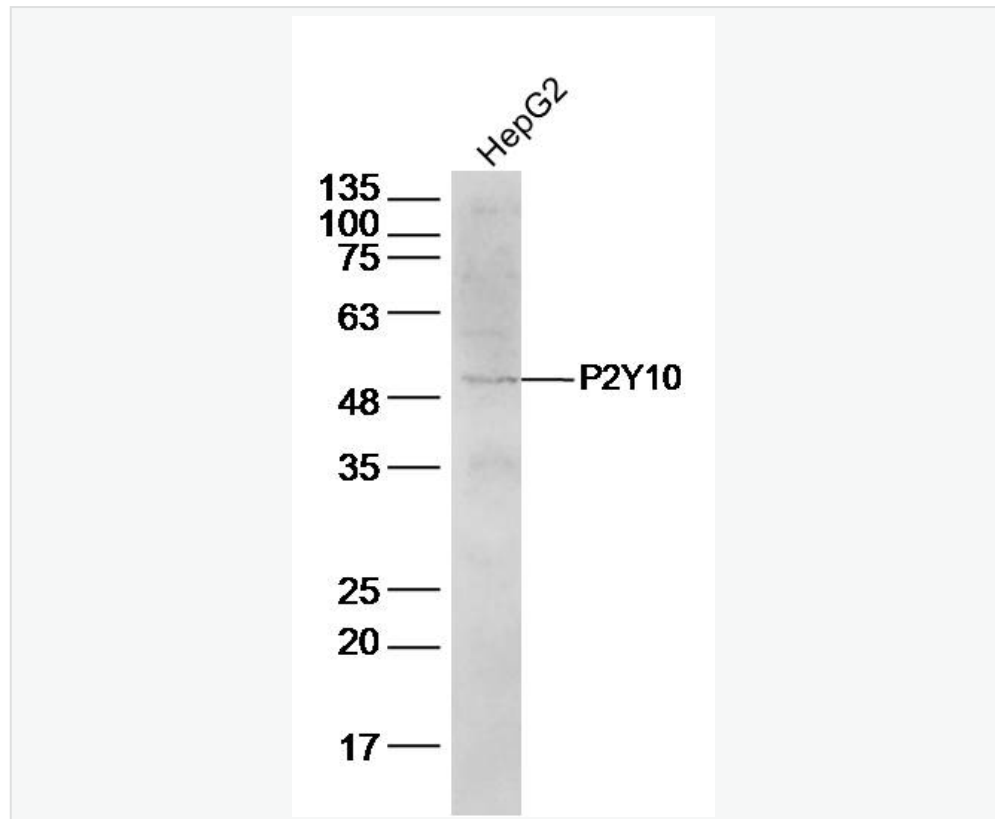
[SwissProt: O00398](#) Human

[SwissProt: Q8BFU7](#) Mouse

[Unigene: 296433](#) Human

[Unigene: 74639](#) Mouse

**Product Picture**



Sample:

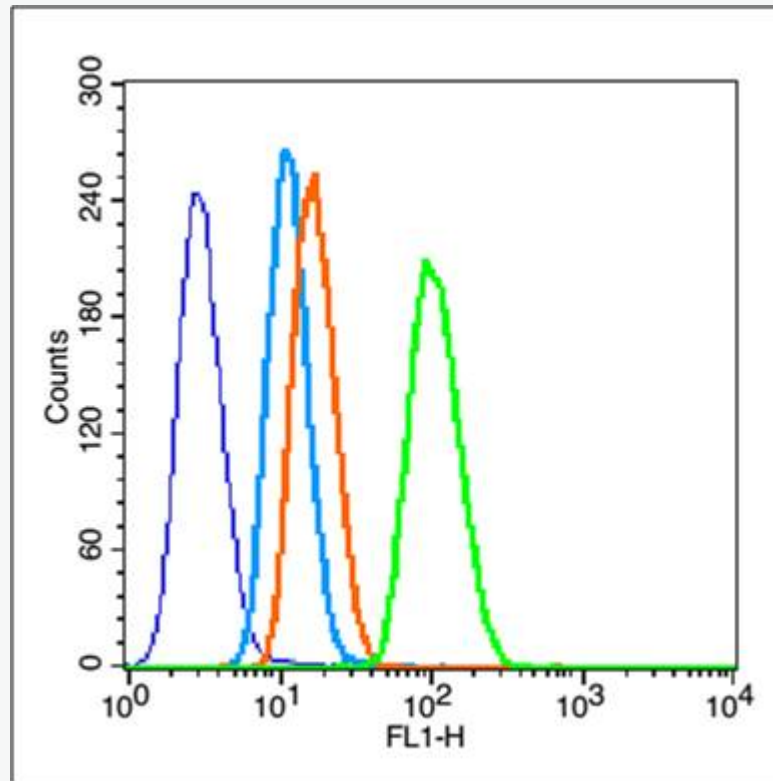
HepG2 cell(human) Lysate at 30 ug

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 $\mu$ g /10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG .

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