

Anti-P2Y10 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Horse,Rabbit)
Molecular Weight:	Theoretical: 39 kDa. Actual: 49 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: HepG2 cell (human) Lysate at 30 µg Primary: Anti-P2Y10 (TMAB-09861) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kD Observed band size: 49 kD 2. Blank control (blue line): raji (fixed with pre-warmed 4% paraformaldehyde for 30 min at 37°C) Primary Antibody (green line): Rabbit Anti-P2Y10 antibody (TMAB-09861), Dilution: 0.2 µg /10 ⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1 µg /test.
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human P2Y10
Antigen Species:	Human
Gene ID:	27334
Uniprot ID:	O00398

Research Background

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. P2Y10 (purinergic receptor P2Y, G-protein coupled, 10), also known as P2RY10, is a 339 amino acid multi-pass membrane protein that is thought to act as a receptor for purines coupled to G-proteins. P2Y10 is found at low levels in blood leukocytes and is upregulated

during promyelocytic cell differentiation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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