Datasheet for ABIN7581935

anti-P2RY10 antibody (Extracellular)

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Overview

Quantity:	50 µL
Target:	P2RY10
Binding Specificity:	AA 165-180, Extracellular
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RY10 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Live Cell Imaging (LCI)

Product Details

Purpose:	A Rabbit Polyclonal antibody to P2Y10 (extracellular)
Immunogen:	(C)NSTDS(S)FADLGYKQMD, corresponding to amino acid residues 165 -180 of mouse P2Y10
Sequence:	(C)NSTDS(S)FADLGYKQMD
Isotype:	IgG
Specificity:	Extracellular, 2nd loop.
Predicted Reactivity:	Rat - 14 out of 16 amino acid residues identical Not recommended for human samples
Characteristics:	Anti-P2Y10 (extracellular) Antibody (ABIN7581935) is a highly specific antibody directed against an extracellular epitope of the mouse protein. The antibody can be used in western blot, immunohistochemistry and flow cytometry applications. It has been designed to recognize

Product Details

	P2Y10 from mouse and rat samples. The antibody is unlikely to recognize human P2Y10.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	P2RY10
Alternative Name:	P2RY10 (P2RY10 Products)
Background:	P2Y Receptor Family Member 10, Putative P2Y Purinoceptor 10, P2Y-Like Receptor, LYPSR2, P2RY10,P2Y10 belongs to the family of G-protein coupled receptors (GPCRs) and was first described as a lymphoid-restricted receptor. Based on sequence homology, it was thought to be a member of the purinergic P2Y GPCR family and a nucleotide receptor 1. Later studies suggested that it was a receptor for lysophosphatidic acid (LPA) and sphingosine-1-phosphate (S1P)2, although the findings were not confirmed by others.More recent studies using a TGFα shedding assay, showed P2Y10 as a receptor for lysophosphatidylserine (LysoPS), a bioactive lipid present in the central nervous system (CNS) and immune system 3,4. Nevertheless, P2Y10 is still classified by the International Union of Basic and Clinical Pharmacology, as an orphan class A GPCR receptor.P2Y10 putative ligand, LysoPS, has been found to activate at least two other class A orphan GPCRs named GPR34 and GPR174, that have also been named as LYPSR1 and LYPSR3 (respectively), with P2Y10 also named as LYPSR24.The biological function of P2Y10 has not been completely elucidated, but different studies point to a role in eosinophil degranulation5, involvement in neuroinflammation6 and regulation of T-cell migration7.
Gene ID:	78826
UniProt:	Q8BFU7

Application Details

Application Notes:	Antigen preadsorption control: 1 µg peptide per 1 µg antibody Application Dilutions Immunohistochemistry paraffin embedded sections ihc: 1:200 Application Dilutions Western blot wb: 1:200-1:400
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	0.2 mL double distilled water (DDW).
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4
Storage:	4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).