Datasheet for ABIN7582062

anti-P2RY12 antibody (Extracellular) (APC)

Go to Product page

Overview

Quantity:	50 µL
Target:	P2RY12
Binding Specificity:	AA 270-282, Extracellular
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RY12 antibody is conjugated to APC
Application:	Live Cell Imaging (LCI), Flow Cytometry (FACS)

Product Details

Purpose:	A Rabbit Polyclonal Antibody to P2Y12 Receptor (extracellular) conjugated to the fluorescent dye Allophycocyanin (APC).
Immunogen:	CTAENTLFYVKES, corresponding to amino acid residues 270-282 of human P2RY12
Sequence:	CTAENTLFYV KES
Isotype:	IgG
Specificity:	3rd extracellular loop
Predicted Reactivity:	Rat,mouse - 12,13 amino acid residues identical
Characteristics:	Anti-P2Y12 Receptor (extracellular) Antibody (ABIN7581938) is a highly specific antibody directed against an extracellular epitope of the human protein. The antibody can be used in western blot, immunohistochemistry and live cell flow cytometry applications. It has been

Product Details

	designed to recognize P2Y12 from human, mouse, and rat samples. Anti-P2Y12 Receptor (extracellular)-APC Antibody (ABIN7581938)-APC) is directly conjugated to the Allophycocyanin (APC) fluorophore. This conjugated antibody has been developed to be used in immunofluorescent applications such as direct flow cytometry and live cell imaging.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	P2RY12
Alternative Name:	P2RY12 (P2RY12 Products)
Background:	P2Y purinoceptor 12, P2RY12, P2Y receptor,The P2Y receptors belong to the G-protein coupled receptor superfamily. They mediate the actions of the extracellular nucleotides (ATP, ADP, UTP and UDPA). Eight functional mammalian P2Y receptors have been described: P2Y1, P2Y2, P2Y4, P2Y6, P2Y11, P2Y12, P2Y13, and the UDP-glucose receptor, now renamed P2Y141-3. The P2Y12 receptor is co-expressed with the P2Y1 receptor on platelets leading to shape change, aggregation, and rise in intracellular Ca2+ upon activation.The only other expression of P2Y12 was found in brain, according to results of reverse transcription-polymerase chain reaction and northern blotting4. The P2Y12 receptor has become a target for potential therapeutic drugs for the treatment of thromboembolism and other clotting disorders4.
Gene ID:	64805
UniProt:	Q9H244

Application Details

Application Notes:	Antigen preadsorption control: 1 µg peptide per 1 µg antibody Application Dilutions Immunohistochemistry paraffin embedded sections ihc: N/A Application Dilutions Western blot wb: N/A
Comment:	Negative Control: (ABIN7582043) Blocking Peptide:
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	50 µL double distilled water (DDW).

Handling

Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 1 % BSA with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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, protected from the light, 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).