Datasheet for ABIN7582065

anti-P2RY12 antibody (Extracellular) (Brilliant Violet 421™,Pacific Blue)

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 Brilliant Violet 421™,Pacific Blue
Application:	Live Cell Imaging (LCI), Flow Cytometry (FACS)

Product Details

Purpose:	A Rabbit Polyclonal Antibody to P2Y12 Receptor conjugated to mFluor™ Violet 450 fluorophore
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 P2RY12. The antibody can be used in western blot, live cell imaging and indirect flow cytometry applications. It has been designed to recognize P2RY12 from human, rat and mouse samples. Anti-P2Y12 Receptor (extracellular)-

Product Details

	mFluor™ Violet 450 Antibody (ABIN7581938)-V) is directly conjugated to mFluor™ Violet 450 fluorophore. This conjugated antibody has been developed to be used in immunofluorescent applications such as direct flow cytometry and live cell imaging. mFluor™ Violet 450 dye has a maximum absorption of 405 nm and maximum emission of 445 nm. These spectral characteristics make it an excellent replacement for Pacific Blue™ or Brilliant Violet™ 421 dyes. For flow cytometry applications, the labeled antibody can be detected using the 405 nm laser lane and a filter set of 450/50.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	P2RY12
Alternative Name:	P2RY12 (P2RY12 Products)
Background:	P2Y purinoceptor 12, P2RY12, ADP-glucose receptor, Platelet ADP receptor, HORK3,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:	Optimal working dilution should be determined by the investigator.
Comment:	Negative Control: (ABIN7582047) Blocking Peptide:
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	15 µL or 50 µL double distilled water (DDW), depending on the sample size.
Concentration:	1 mg/mL
Buffer:	Lyophilized powder. Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 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).