Datasheet for ABIN7582061

anti-P2RY12 antibody (Intracellular) (Atto 594)

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Overview

Quantity:	50 µL
Target:	P2RY12
Binding Specificity:	AA 125-142, Intracellular
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RY12 antibody is conjugated to Atto 594
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	A Rabbit Polyclonal Antibody to P2Y12 Receptor Conjugated to the Fluorescent Dye ATTO-594
Immunogen:	(C)KTTRPFKTSNPKNLLGAK, corresponding to amino acid residues 125-142 of human P2RY12
Sequence:	(C)KTTRPFKTSN PKNLLGAK
Isotype:	IgG
Specificity:	Intracellular, 2nd cytoplasmic loop
Predicted Reactivity:	Rat,mouse - 16,18 amino acid residues identical
Characteristics:	Anti-P2Y12 Receptor Antibody (ABIN7581937) is a highly specific antibody directed against an epitope of the human P2RY12. The antibody can be used in western blot, immunoprecipitation, indirect flow cytometry, immunohistochemistry and immunocytochemistry applications. It has been designed to recognize P2RY12 from human, rat, and mouse samples. Anti-P2Y12

Product Details

	Receptor-ATTO Fluor-594 Antibody (ABIN7581937)-AR) is directly labeled with an fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photo-stability. The fluorescent label belongs to the class of Rhodamine dyes and can be used with fluorescent equipment typically optimized to detect Texas Red and Alexa-594. Anti-P2Y12 Receptor-ATTO Fluor-594 Antibody is specially suited to experiments requiring simultaneous labeling of different markers.
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 P2Y14.1-3 The P2Y12 receptor is co-expressed with 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 blotting.4 The P2Y12 receptor has become a target for potential therapeutic drugs for the treatment of thromboembolism and other clotting disorders.4
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
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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