

Datasheet for ABIN7581939
anti-P2RY12 antibody (Extracellular)



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Overview

Quantity:	50 µL
Target:	P2RY12
Binding Specificity:	AA 270-282, Extracellular
Reactivity:	Human
Host:	Guinea Pig
Clonality:	Polyclonal
Conjugate:	This P2RY12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Live Cell Imaging (LCI), Immunochromatography (IC)

Product Details

Purpose:	A Guinea Pig Polyclonal Antibody to P2Y12 Receptor
Immunogen:	CTAENTLFYVKES, corresponding to amino acid residues 270-282 of human P2RY12
Sequence:	CTAENTLFYV KES
Isotype:	IgG
Specificity:	3rd extracellular loop
Predicted Reactivity:	Mouse - 12, rat - 12,13 amino acid residues identical
Characteristics:	Guinea pig Anti-P2Y12 Receptor (extracellular) Antibody (ABIN7581939), formerly) is a highly specific antibody directed against an epitope of the human P2RY12. The antibody can be used in western blot and live imaging applications. It and has been designed to recognize P2RY12

Product Details

from mouse, rat, and human samples. The antigen used to immunize guinea pigs is the same as Anti-P2Y12 Receptor (extracellular) Antibody (ABIN7581938) raised in rabbit. Our line of guinea pig antibodies enables more flexibility with our products such as multiplex staining studies, immunoprecipitation, etc.

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 UDP). Eight functional mammalian P2Y receptors have been described: P2Y1, P2Y2, P2Y4, P2Y6, P2Y11, P2Y12, P2Y13, and the UDP-glucose receptor, now renamed P2Y14-3. 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 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: 1:300
Application Dilutions Western blot wb: 1:400

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 0.2 mL double distilled water (DDW).

Concentration: 1 mg/mL

Handling

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).