

Datasheet for ABIN7043584
anti-P2RY1 antibody (2nd Extracellular Loop)[Go to Product page](#)

4 Images

Overview

Quantity:	25 µL
Target:	P2RY1
Binding Specificity:	2nd Extracellular Loop, AA 207-220
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: SDEYLRSYFIYSMC, corresponding to amino acid residues 207-220 of human P2RY1
Isotype:	IgG
Characteristics:	Anti-P2Y1 Receptor (extracellular) Antibody (ABIN7043584, ABIN7045094 and ABIN7045095)) is a highly specific antibody directed against an extracellular epitope of the human P2RY1. The antibody can be used in western blot, immunohistochemistry, indirect flow cytometry and live cell imaging applications. It has been designed to recognize P2RY1 from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

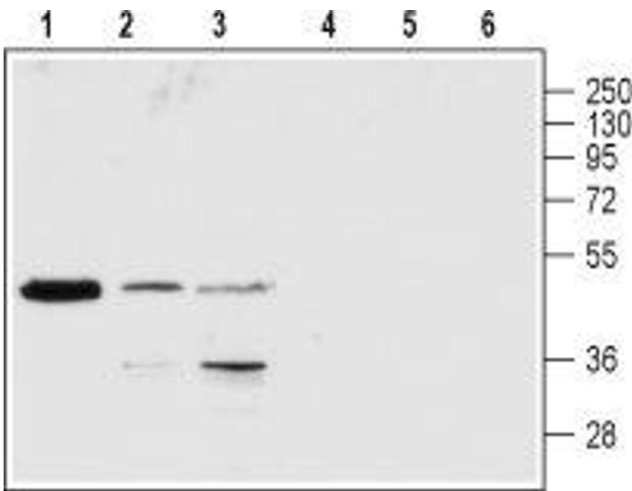
Target:	P2RY1
Alternative Name:	P2Y1 Receptor (P2RY1 Products)
Background:	Alternative names: P2Y1 Receptor, P2Y purinoceptor 1, P2RY1
Gene ID:	5028
NCBI Accession:	NM_002563
UniProt:	P47900
Pathways:	Regulation of Carbohydrate Metabolic Process , Feeding Behaviour

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

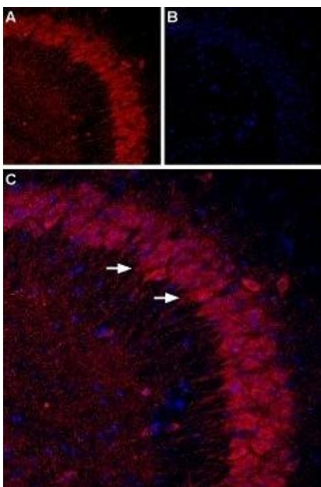
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



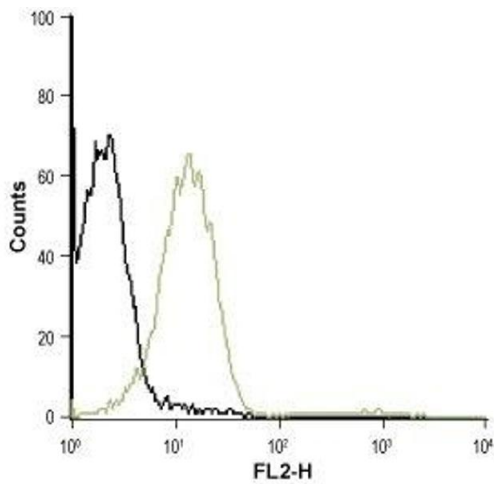
Western Blotting

Image 1. Western blot analysis of rat brain (lanes 1 and 4), Jurkat (lanes 2 and 5) and K-562 (lanes 3 and 6) lysates: - 1-3. Anti-P2Y1 Receptor (extracellular) Antibody (ABIN7043584, ABIN7045094 and ABIN7045095), (1:200). 4-6. Anti-P2Y1 Receptor (extracellular) Antibody, preincubated with P2Y1 Receptor (extracellular) Blocking Peptide (#BLP-PR021).



Immunohistochemistry

Image 2. Expression of P2RY1 in mouse hippocampus - Immunohistochemical staining of mouse hippocampal CA3 region using Anti-P2Y1 Receptor (extracellular) Antibody (ABIN7043584, ABIN7045094 and ABIN7045095). A. P2RY1 staining (red) appears in the pyramidal layer (arrows). B. Nuclei staining using DAPI as the counterstain (blue). C. Merged images of panels A and B.



Flow Cytometry

Image 3. Cell surface detection of P2RY1 in Jurkat (human acute T cell leukemia) living cells: (black line) Unstained cells. (green line) Cells stained + Anti-P2Y1 Receptor (extracellular) Antibody (ABIN7043584, ABIN7045094 and ABIN7045095), (5 µg/1x 10⁶ cells).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043584.