

Datasheet for ABIN7043585

anti-P2RY1 antibody (2nd Extracellular Loop) (Atto 488)[Go to Product page](#)**3** Images

Overview

| | |
|----------------------|--|
| Quantity: | 50 µL |
| Target: | P2RY1 |
| Binding Specificity: | 2nd Extracellular Loop, AA 207-220 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This P2RY1 antibody is conjugated to Atto 488 |
| Application: | 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. \nAnti-P2Y1 Receptor (extracellular)-ATTO Fluor-488 Antibody (#ABIN7043585) is directly labeled with an ATTO-488 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photo- |

Product Details

stability. The ATTO-488 label is analogous to the well known dye fluorescein isothiocyanate (FITC) and can be used with filters typically used to detect FITC. Anti-P2Y1 Receptor (extracellular)-ATTO Fluor-488 Antibody is especially suited for experiments requiring simultaneous labeling of different markers.

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: 50 µL double distilled water (DDW).

Concentration: 1 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

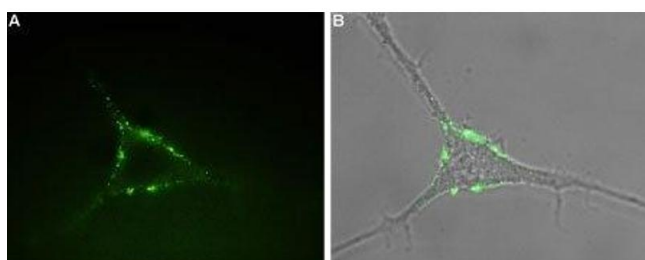
Handling

Storage Comment:

Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.

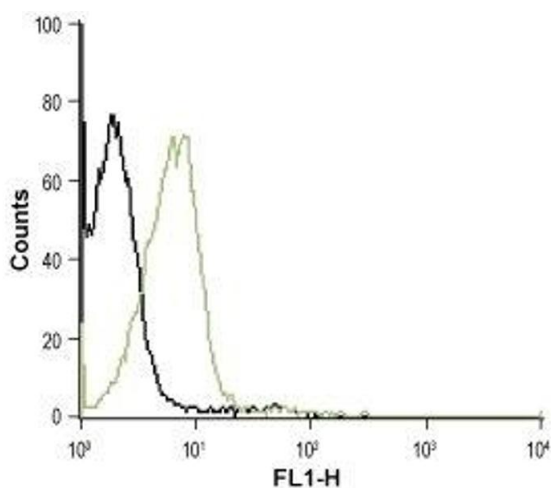
Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



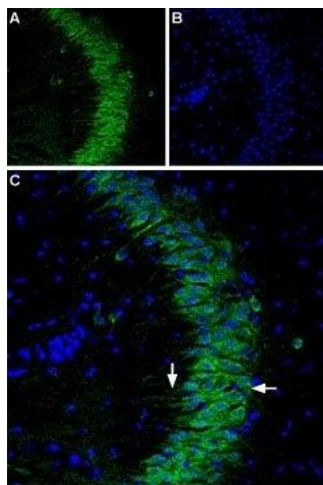
Immunocytochemistry

Image 1. Expression of P2RY1 in rat PC12 cells - Cell surface detection of P2RY1 in intact living rat pheochromocytoma (PC12) cells. Extracellular staining of cells using Anti-P2Y1 receptor (extracellular)-ATTO Fluor-488 Antibody (ABIN7043585), (1:50), (green).



Flow Cytometry

Image 2. Cell surface detection of P2RY1 in intact living Jurkat cells: (black line) Unstained cells. (green line) Cells + Anti-P2Y1 Receptor (extracellular)-ATTO Fluor-488 antibody, (ABIN7043585), (5 µg/5x10⁵ cells.).



Immunohistochemistry

Image 3. Expression of P2RY1 in mouse brain - Immunohistochemical staining of mouse hippocampus using Anti-P2Y1 Receptor (extracellular)-ATTO Fluor-488 Antibody (ABIN7043585), (1:80). A. P2RY1 staining (green) is detected in pyramidal cells (horizontal arrow) and in apical dendrites (vertical arrow). B. Nuclei staining using DAPI as the counterstain. C. Merged image of panels A and B.