

Datasheet for ABIN7043589  
**anti-P2RY4 antibody (C-Term, Intracellular)**

## 2 Images

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## Overview

Quantity:	50 µL
Target:	P2RY4
Binding Specificity:	AA 337-350, C-Term, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunoprecipitation (IP)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HEES ISRWA DTHQD, corresponding to residues 337-350 of rat P2RY4
Isotype:	IgG
Characteristics:	Anti-P2Y4 Receptor Antibody (ABIN7043589, ABIN7045078 and ABIN7045079)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, immunoprecipitation, indirect flow cytometry, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize P2RY4 in rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

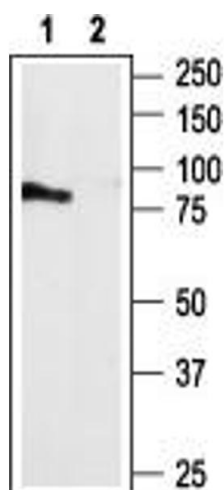
Target:	P2RY4
Alternative Name:	P2Y4 Receptor ( <a href="#">P2RY4 Products</a> )
Background:	Alternative names: P2Y4 Receptor, P2Y purinoceptor 4, P2RY4, Uridine nucleotide receptor
Gene ID:	63843
NCBI Accession:	<a href="#">NM_002565</a>
UniProt:	<a href="#">O35811</a>

## Application Details

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

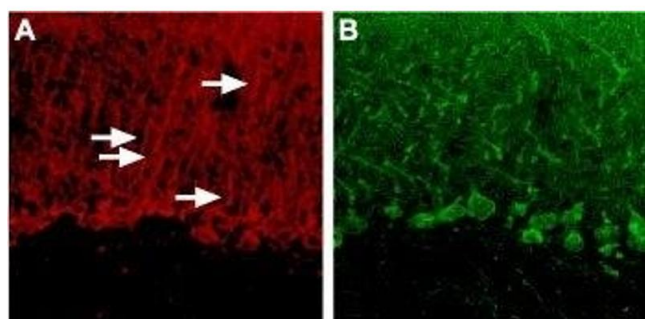
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.9 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 5 % sucrose, 0.025 % 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 membranes: - 1. Anti-P2Y4 Receptor Antibody (ABIN7043589, ABIN7045078 and ABIN7045079), (1:300). 2. Anti-P2Y4 Receptor Antibody, preincubated with P2Y4 Receptor Blocking Peptide (#BLP-PR006).



### Immunohistochemistry

**Image 2.** Expression of P2RY4 in rat cerebellum - Immunohistochemical staining of rat cerebellum using Anti-P2Y4 Receptor Antibody (ABIN7043589, ABIN7045078 and ABIN7045079). A. P2RY4 (red) appears in astrocytic processes (arrows). B. In contrast, P2RY4 does not appear in Purkinje neuronal dendrites stained for calbindin D28k (green) in the same brain section. This demonstrates the restriction of P2RY4 to astrocytic fibers.