

Datasheet for ABIN7043578  
**anti-P2RX7 antibody (Extracellular Loop)**

## 4 Images

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## Overview

Quantity:	25 µL
Target:	P2RX7
Binding Specificity:	AA 136-152, Extracellular Loop
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: KKGWMDPQSKGIQTGRC, corresponding to amino acid residues 136-152 of mouse P2X7 receptor
Isotype:	IgG
Characteristics:	Anti-P2X7 Receptor (extracellular) Antibody (ABIN7043578, ABIN7045080 and ABIN7045081)) is a highly specific antibody directed against an extracellular epitope of the mouse protein. The antibody can be used in western blot, indirect flow cytometry, immunohistochemistry, live cell imaging, and immunocytochemistry applications. It has been designed to recognize P2X7 purinergic receptor from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

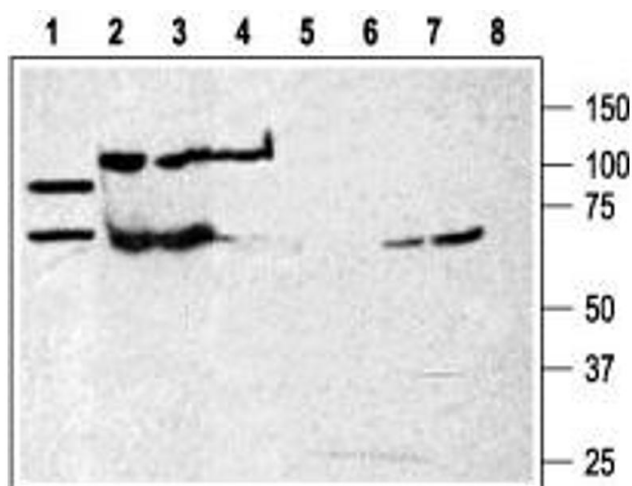
Target:	P2RX7
Alternative Name:	P2X7 Receptor ( <a href="#">P2RX7 Products</a> )
Background:	Alternative names: P2X7 Receptor, Purinergic receptor P2X7, P2RX7, P2Z, ATP receptor
Gene ID:	18439
NCBI Accession:	<a href="#">NM_002562</a>
UniProt:	<a href="#">Q9Z1M0</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

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

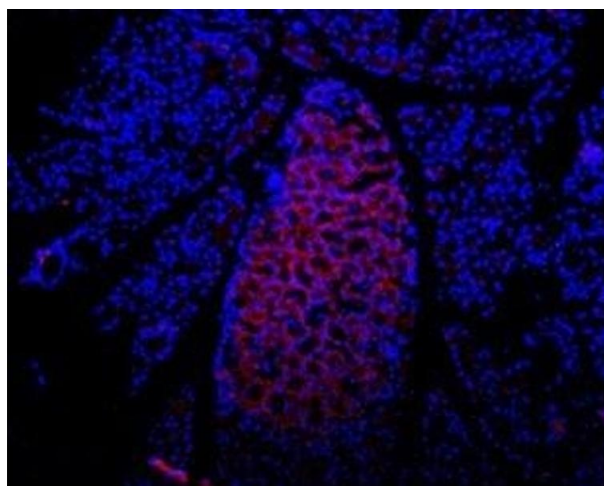
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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>



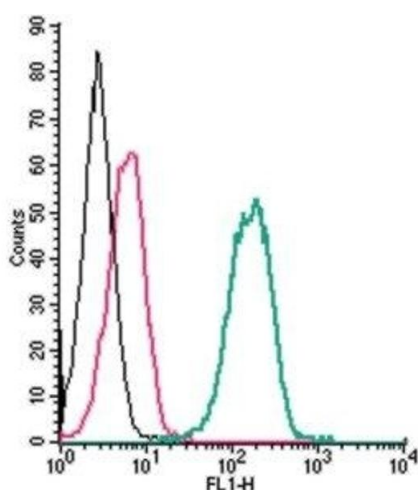
### Western Blotting

**Image 1.** Western blot analysis of rat brain membranes (lanes 1 and 5) and human K562 chronic myelogenous leukemia cell line (lanes 2 and 6) and Mouse WEHI-231 B cell lymphoma (lanes 3 and 7) and human HL-60 promyelocytic leukemia cell line (lanes 4 and 8): - 1-4. Anti-P2X7 Receptor (extracellular) Antibody (ABIN7043578, ABIN7045080 and ABIN7045081), (1:200). 5-8. Anti-P2X7 Receptor (extracellular) Antibody, preincubated with P2X7 Receptor (extracellular) Blocking Peptide (#BLP-PR008).



### Immunohistochemistry

**Image 2.** Expression of P2RX7 in rat pancreas - Immunohistochemical staining of rat pancreas frozen section using Anti-P2X7 Receptor (extracellular) Antibody (ABIN7043578, ABIN7045080 and ABIN7045081), (1:100), followed by mouse anti-rabbit-AlexaFluor-594 secondary antibody (red). Staining is present in endocrine cells of the Islet of Langerhans. Hoechst 33342 is used as the counterstain.



### Flow Cytometry

**Image 3.** Cell surface detection of P2X7 Receptor by indirect flow cytometry in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-P2X7 Receptor (extracellular) Antibody (ABIN7043578, ABIN7045080 and ABIN7045081), (2.5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043578.