

Datasheet for ABIN571021

anti-P2RX7 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	P2RX7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This P2RX7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	P2RX7 / P2X7 receptor
Immunogen:	Peptide with sequence YETNKVTRIQSMNY-C, from the N Terminus of the protein sequence according to NP_002553.2.
Sequence:	YETNKVTRIQ SMNY
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	P2RX7
Alternative Name:	P2RX7 (P2RX7 Products)
Background:	P2RX7, purinergic receptor P2X, ligand-gated ion channel, 7, MGC20089, P2X7, ATP receptor, P2X purinoceptor 7, P2X7 receptor, P2Z receptor, purinergic receptor P2X7
Gene ID:	5027, 18439, 29665
NCBI Accession:	NP_002553
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Synaptic Vesicle Exocytosis

Application Details

Application Notes:	<p>Immunohistochemistry: In paraffin embedded Human Brain Cortex shows membranous staining of cell bodies and processes. Recommended concentration: 3-6 µg/mL. Paraffin embedded Human Kidney. Recommended concentration: 3.75 µg/mL.</p> <p>Western Blot: Approx 37 kDa and 70 kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 68.6 kDa according to NP_002553.2). Recommended concentration: 1-3 µg/mL. Primary incubation was an 1 hour. An additional band of unknown identity</p> <p>Peptide ELISA: antibody detection limit dilution 1:16000.</p>
Comment:	Immunofluorescence: This antibody has been successfully used in IF on Mouse: Thaler R et al. (2015) PMID: 25491310.
Restrictions:	For Research Use only

Handling

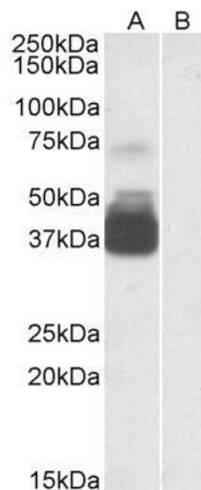
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.

Handling

Storage: -20 °C

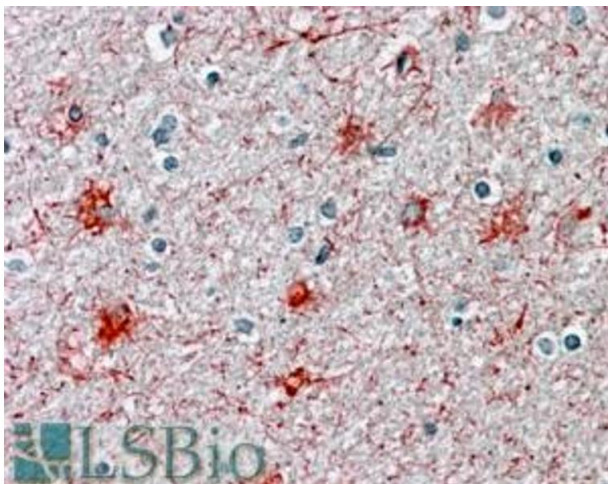
Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Western Blotting

Image 1. ABIN571021 staining (0.3µg/ml) of Human Brain (Frontal Cortex) lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Detected by chemiluminescence.



Immunohistochemistry

Image 2. ABIN571021 (3.8µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.