

Datasheet for ABIN334455
anti-P2RX4 antibody (C-Term)[Go to Product page](#)

4 Images

2 Publications

Overview

Quantity:	100 µg
Target:	P2RX4
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This P2RX4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	P2X4 / P2X4R
Immunogen:	Peptide with sequence C-YREKKYKYVEDYEQ, from the C Terminus of the protein sequence according to NP_002551.2.
Sequence:	YREKKYKYVE DYEQ
Isotype:	IgG
Cross-Reactivity:	Cow, 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:	P2RX4
Alternative Name:	P2RX4 (P2RX4 Products)
Background:	P2X4, P2X4R, P2RX4, purinergic receptor P2X, ligand-gated ion channel, 4, ATP receptor, ATP-gated cation channel protein, P2X purinoceptor 4, P2X receptor, subunit 4, purinergic receptor P2X ligand-gated ion channel 4, purinergic receptor P2X4, purinocept
Gene ID:	5025, 18438, 29659
NCBI Accession:	NP_002551
Pathways:	Synaptic Membrane

Application Details

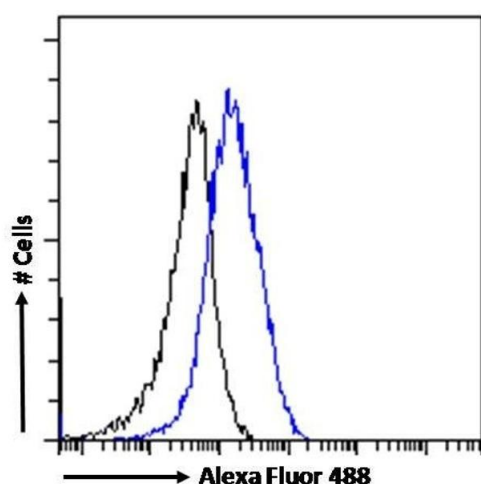
Application Notes:	Western Blot: Approx 60 kDa band observed in Human Kidney lysates and in preliminary testing of Human Liver lysate (calculated MW of 43.4 kDa according to NP_002551.2).This molecular weight is routinely observed by other sources and was successfully blocke Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.
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.
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.

- Product cited in: Freeman, Bowman, Zetter: "Regenerative protein thymosin beta-4 is a novel regulator of purinergic signaling." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 25, Issue 3, pp. 907-15, (2011) ([PubMed](#)).
- Yuan, Zhu, Zhou, Chen, Zhu, Ma, He, Tian, Shi: "Role of mast cell activation in inducing microglial cells to release neurotrophin." in: **Journal of neuroscience research**, Vol. 88, Issue 6, pp. 1348-54, (2010) ([PubMed](#)).

Images



Flow Cytometry

Image 1. (ABIN334455) Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) fol

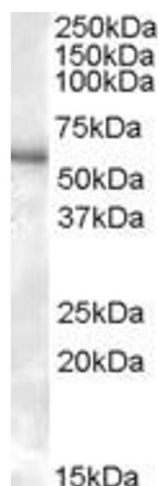
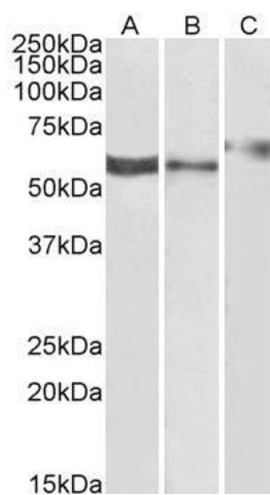


Image 2. ABIN334455 (0.3µg/ml) staining of Human Kidney lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blotting

Image 3. ABIN334455 (1µg/ml) staining of Human Kidney (A), Human Liver (B) and Rat Kidney (C) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN334455.