

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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EB08830 - Goat Anti-P2X4 / P2X4R Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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, purinoceptor P2X4

Official Symbol: P2RX4

Accession Number(s): NP_002551.2; NP_001243725.1; NP_001248326.1

Human GeneID(s): 5025

Non-Human GenelD(s): 18438 (mouse), 29659 (rat)

Immunogen

Peptide with sequence C-YREKKYKYVEDYEQ, from the C Terminus of the protein sequence according to NP_002551.2; NP_001243725.1; NP_001248326.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 60kDa band observed in Human Kidney lysates and in preliminary testing of Human Liver lysate (calculated MW of 43.4kDa according to NP_002551.2). This molecular weight is routinely observed by other sources and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 0.3-1ug/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow

Specific References

This antibody (previous batch) has been successfully used in the following paper:

Freeman KW, Bowman BR, Zetter BR.

Regenerative protein thymosin beta-4 is a novel regulator of purinergic signaling.

FASEB J. 2011 Mar;25(3):907-15.

PMID: 21106936

This antibody (previous batch) has been successfully used in the following paper:

Yuan H, Zhu X, Zhou S, Chen Q, Zhu X, Ma X, He X, Tian M, Shi X.

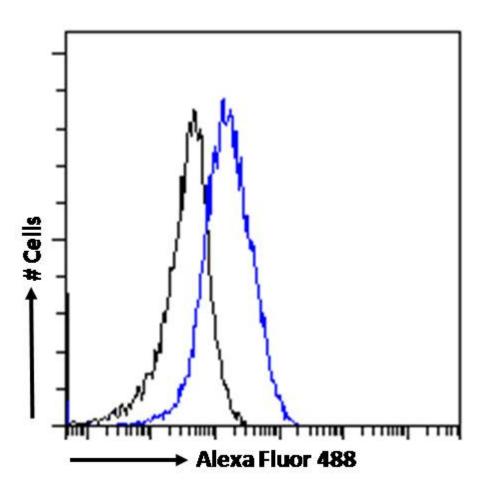
Role of mast cell activation in inducing microglial cells to release neurotrophin.

J Neurosci Res. 2010 May 1;88(6):1348-54.

PMID: 20025063



EB08830 (1μg/ml) staining of Human Kidney lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB08830 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.