

Product datasheet

Anti-P2X2 antibody ab48864

2 References 2 Images

Overview

Product name	Anti-P2X2 antibody
Description	Rabbit polyclonal to P2X2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ELISA
Species reactivity	Reacts with: Mouse, Human
Immunogen	A region within synthetic peptide: YPKFHFSKGN IADRTDGYLK RCTFHEASDL YCPIFKLGFI VEKAGESFTE, corresponding to internal sequence amino acids 181-230 of Human P2X2. Peptide available as ab95915 . Run BLAST with Run BLAST with
Positive control	Jurkat cell lysate, Human kidney.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab48864** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

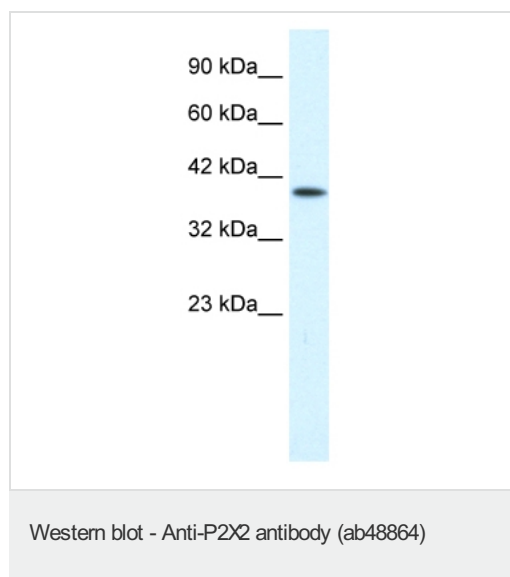
Application	Abreviews	Notes
WB		Use a concentration of 0.6 µg/ml. Detects a band of approximately 40 kDa (predicted molecular weight: 40 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

Target

Function	Ion channel gated by extracellular ATP involved in a variety of cellular responses, such as excitatory postsynaptic responses in sensory neurons, neuromuscular junctions (NMJ) formation, hearing, perception of taste and peristalsis. In the inner ear, regulates sound transduction and auditory neurotransmission, outer hair cell electromotility, inner ear gap junctions, and K(+) recycling. Mediates synaptic transmission between neurons and from neurons to smooth muscle.
Involvement in disease	Deafness, autosomal dominant, 41
Sequence similarities	Belongs to the P2X receptor family.
Cellular localization	Cell membrane. Localizes to the apical membranes of hair cells in the organ of Corti.
Form	There are 7 isoforms produced by alternative splicing.

Images



Anti-P2X2 antibody (ab48864) at 0.6 µg/ml (in 5% skimmed milk/PBS) + Jurkat cell lysate at 10 µg

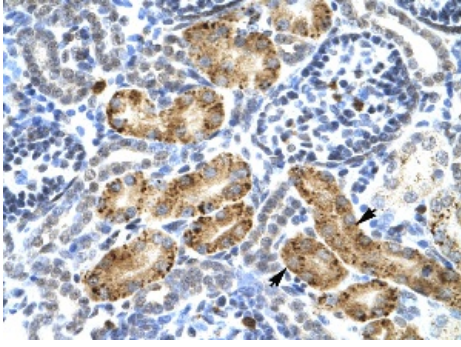
Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 40 kDa

Observed band size: 40 kDa

Gel concentration 12%.



ab48864 at 4.0 µg/ml staining Human kidney by immunohistochemistry, paraffin embedded section. Magnification x400. Arrows indicate staining of renal tubule epithelial cells.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-P2X2 antibody (ab48864)

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