


Product datasheet

Anti-P2X2 antibody ab10262

[1 References](#) [1 Image](#)

Overview

Product name	Anti-P2X2 antibody
Description	Guinea pig polyclonal to P2X2
Host species	Guinea pig
Tested applications	Suitable for: IHC-Fr, ICC, WB, IHC-FoFr
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse, Guinea pig 
Immunogen	Synthetic peptide: DSTSTDPKGLAQL , corresponding to amino acids 460-472 of Rat P2X2. Run BLAST with Run BLAST with

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium Azide Constituents: Whole Serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab10262** in the following tested applications.

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

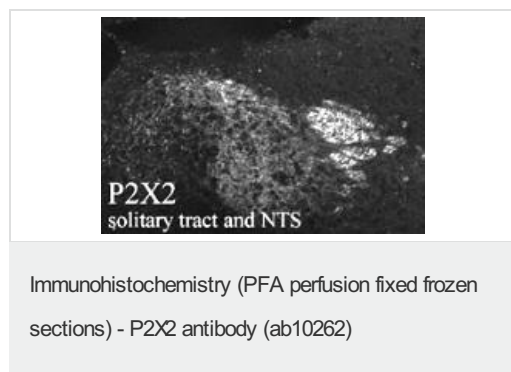
Application	Abreviews	Notes
IHC-Fr		1/500.

Application	Abreviews	Notes
ICC		1/500.
WB		1/500. Predicted molecular weight: 47.8 kDa.
IHC-FoFr		Use at an assay dependent dilution. PubMed: 20620196

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



ab10262, at a dilution of 1/500, staining P2X2 in solitary tract of rat central nervous system by Immunohistochemistry (PFA perfusion fixed frozen sections).

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