


## Product datasheet

# Anti-P2X2 antibody ab10262

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

### Overview

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

### Properties

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

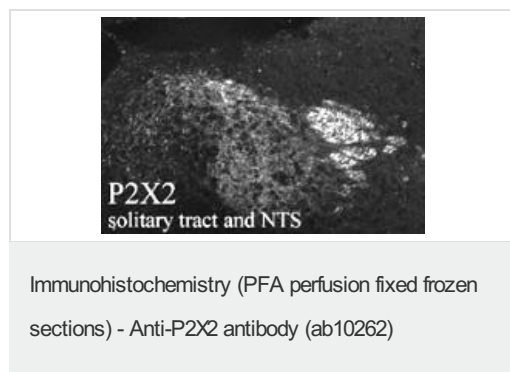
Application	Abreviews	Notes
IHC-Fr		1/500.

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

<b>Function</b>	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.
<b>Involvement in disease</b>	Deafness, autosomal dominant, 41
<b>Sequence similarities</b>	Belongs to the P2X receptor family.
<b>Cellular localization</b>	Cell membrane. Localizes to the apical membranes of hair cells in the organ of Corti.
<b>Form</b>	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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