

### **Anti-P2X2 Antibody**

Rabbit polyclonal antibody to P2X2 Catalog # AP60876

## **Specification**

## **Anti-P2X2 Antibody - Product Information**

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Calculated MW

WB
O9UBL9
O8K3P1
Human, Mouse
Rabbit
Polyclonal
51754

# **Anti-P2X2 Antibody - Additional Information**

**Gene ID** 22953

#### **Other Names**

P2X2; P2X purinoceptor 2; P2X2; ATP receptor; Purinergic receptor

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human P2X2. The exact sequence is proprietary.

#### **Dilution**

WB~~WB (1/500 - 1/1000)

#### **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

### **Anti-P2X2 Antibody - Protein Information**

Name P2RX2 (HGNC:15459)

Synonyms P2X2

### **Function**

ATP-gated nonselective transmembrane cation channel permeable to potassium, sodium and calcium (PubMed:<a href="http://www.uniprot.org/citations/10570044" target="\_blank">10570044</a>, PubMed:<a href="http://www.uniprot.org/citations/31636190" target="\_blank">31636190</a>). Activation by extracellular ATP induces a variety of cellular responses, such as excitatory postsynaptic responses in sensory neurons, neuromuscular junctions (NMJ) formation, hearing, perception of taste and peristalsis (By similarity). In the inner ear,







regulates sound transduction and auditory neurotransmission, outer hair cell electromotility, inner ear gap junctions, and K(+) recycling (PubMed:<a

href="http://www.uniprot.org/citations/23345450" target=" blank">23345450</a>). Mediates synaptic transmission between neurons and from neurons to smooth muscle (By similarity).

#### **Cellular Location**

Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P56373}. Note=Localizes to the apical membranes of hair cells in the organ of Corti.

#### **Tissue Location**

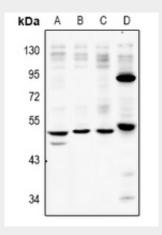
Expressed in both the central and peripheral nervous system, as well as in the pituitary gland

# **Anti-P2X2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-P2X2 Antibody - Images



Western blot analysis of P2X2 expression in A549 (A), SGC7901 (B), LO2 (C), AML12 (D) whole cell lysates.

# Anti-P2X2 Antibody - Background

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