10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-P2X2 Antibody

Catalog # AP60876

Product Information

Application	WB
Primary Accession	Q9UBL9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51754

Additional Information

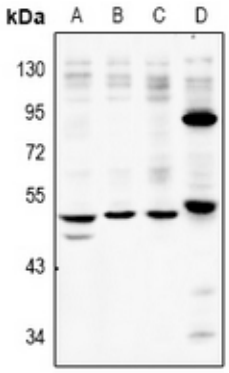
Gene ID	22953
Other Names	P2X2; P2X purinoceptor 2; P2X2; ATP receptor; Purinergic receptor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human P2X2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	P2RX2 (HGNC:15459)
Synonyms	P2X2
Function	ATP-gated nonselective transmembrane cation channel permeable to potassium, sodium and calcium (PubMed:10570044, PubMed:31636190). 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:23345450). 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

Images



Western blot analysis of P2X2 expression in A549 (A), SGC7901 (B), LO2 (C), AML12 (D) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 51 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.