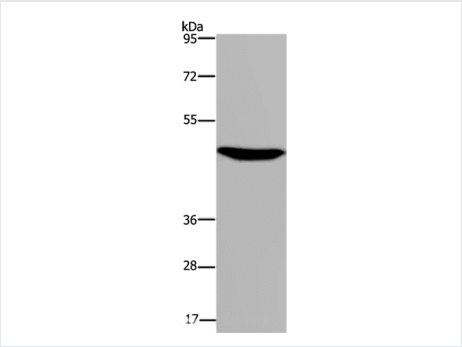
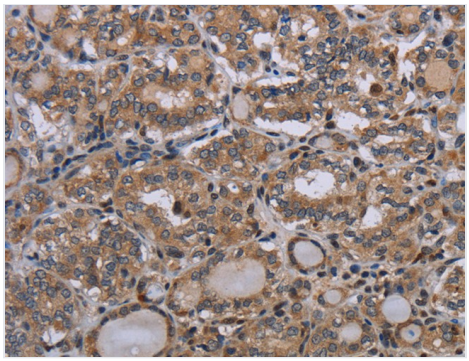
P2RX2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

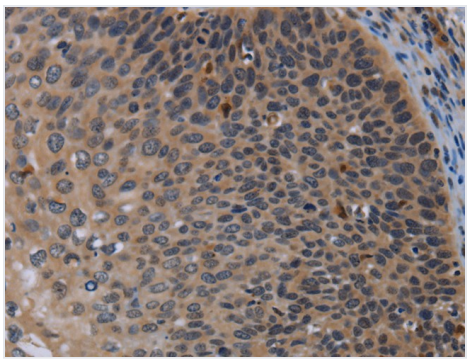
Product Name	P2RX2, Polyclonal Antibody
Full Product Name	P2RX2 Polyclonal Antibody
Product Gene Name	anti-P2RX2 antibody
Product Synonym Names	P2X2; DFNA41
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.05% sodium azide and 50% glycerol, PH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	52kDa
OMIM	600844
3D Structure	ModBase 3D Structure for Q9UBL9
Immunogen	Synthetic peptide of human P2RX2
Note	Centrifuge before opening to ensure complete recovery of vial contents.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-P2RX2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-P2RX2 antibody	WB 1:500-1:2000, IHC 1:50-1:200
Related Product Information for anti-P2RX2 antibody	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smootHuman, Mouseuscle. Multiple transcript variants encoding distinct isoforms have been identified for this gene.
Other Notes	Small volumes of anti-P2RX2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for P2RX2 purchase	MBS2520873 is an antibody targeting P2RX2. Also known as P2RX2 Polyclonal Antibody . Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-P2RX2 antibody
Western Blot analysis of Mouse brain tissue using P2RX2 Polyclonal Antibody at dilution of 1:300



Immunohistochemistry (IHC) of anti-P2RX2 antibody
Immunohistochemistry of paraffin-embedded Human thyroid cancer using P2RX2 Polyclonal Antibody at dilution of 1:50



Immunohistochemistry (IHC) of anti-P2RX2 antibody
Immunohistochemistry of paraffin-embedded Human cervical cancer using P2RX2 Polyclonal Antibody at dilution of 1:50

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for P2RX2. It may not necessarily be applicable to this product.

NCBI GI #	531990828
NCBI GeneID	22953
NCBI Accession #	NP_733782
UniProt Primary Accession #	Q9UBL9
UniProt Secondary Accession #	Q6V9R6; Q9NR37; Q9NR38; Q9UHD5; Q9UHD6; Q9UHD7; A6NGB4; A6NH93; A6NHC2; A6NHU3; A6NIG9
UniProt Related Accession #	Q9UBL9
GenBank Nucleotide #	NM_001282165.1
NCBI Official Full Name	P2X purinoceptor 2 isoform K
NCBI Official Synonym Full Names	purinergic receptor P2X, ligand gated ion channel, 2
NCBI Official Symbol	P2RX2
NCBI Official Synonym Symbols	P2X2; DFNA41
UniProt Protein Name	P2X purinoceptor 2
UniProt Synonym Protein Names	ATP receptor; Purinergic receptor
Protein Family	P2X purinoceptor
UniProt Gene Name	P2RX2
UniProt Synonym Gene Names	P2X2; P2X2

UniProt Entry Name	P2RX2_HUMAN
NCBI Protein Information	P2X purinoceptor 2; ATP receptor; P2X Receptor, subunit 2; purinergic receptor P2X, ligand-gated ion channel, 2
NCBI Summary for P2RX2	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Aug 2013]
UniProt Comments for P2RX2	P2X2: Binding of this ligand-gated ion channel to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Belongs to the P2X receptor family. 7 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Channel, ligand-gated; Membrane protein, integral; Channel, cation Chromosomal Location of Human Ortholog: 12q24.33 Cellular Component: presynaptic membrane; cell surface; cell soma; integral to plasma membrane; postsynaptic density; apical plasma membrane; dendritic spine; terminal button; integral to nuclear inner membrane; receptor complex Molecular Function: identical protein binding; copper ion binding; zinc ion binding; mercury ion binding; drug binding; ligand-gated ion channel activity; cadmium ion binding; ATP binding; nickel ion binding; purinergic nucleotide receptor activity; phosphoinositide binding; cobalt ion binding; ATP-gated cation channel activity Biological Process: urinary bladder smooth muscle contraction; peristalsis; sensory perception of taste; protein heterooligomerization; generation of action potential; skeletal muscle fiber development; positive regulation of calcium-mediated signaling; detection of hypoxic conditions in blood by carotid body chemoreceptors; response to carbohydrate stimulus; response to ATP; behavioral response to pain; sensory perception of sound; response to hypoxia; neuromuscular synaptic transmission; neuromuscular junction development; protein homooligomerization Disease: Deafness, Autosomal Dominant 41
Research Articles on P2RX2	**1.** The locus designated DFNA41 maps to a 15 cM region on chromosome 12q24.32-qter, proximal to the marker D12S1609.
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