

# Immunotag™ P2RX1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1021
Product Description	Immunotag™ P2RX1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	P2RX1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein, at AA range: 150-230
Specificity	P2RX1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	P2RX1 P2X1
Accession No.	P51575 P51576 P47824

## Antibody Specification

Description	purinergic receptor P2X 1(P2RX1) Homo sapiens The protein encoded by this gene belongs to the P2X family of G-protein-coupled receptors. These proteins can form homo- and heterotimers and function as ATP-gated ion channels and mediate rapid and selective permeability to cations. This protein is primarily localized to smooth muscle where binds ATP and mediates synaptic transmission between neurons and from neurons to smooth muscle and may being responsible for sympathetic vasoconstriction in small arteries, arterioles and vas deferens. Mouse studies suggest that this receptor is essential for normal male reproductive function. This protein may also be involved in promoting apoptosis. [provided by RefSeq, Jun 2013],
Cell Pathway/ Category	Calcium,Neuroactive ligand-receptor interaction,
Protein Expression	Blood,Lung,Placenta,Platelet,Urinary bladder,Urinary bladder smooth muscle,
Subcellular Localization	integral component of nuclear inner membrane,plasma membrane,integral component of plasma membrane,external side of cell outer membrane,neuron projection,protein complex,membrane raft,postsynaptic membrane,
Protein Function	disease:Defects in P2RX1 are a cause of bleeding disorder [MIM:600845].,function:Ligand gated ion channel with relatively high calcium permeability. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Seems to be linked to apoptosis, by increasing the intracellular concentration of calcium in the presence of ATP, leading to programmed cell death.,online information:P2RX1 entry,online information:P2X receptor entry,similarity:Belongs to the P2X receptor family.,subunit:Homo- or heteropolymers.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.