

Rabbit P2RX7 Polyclonal Antibody | anti-P2RX7 antibody

P2RX7 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197919	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot

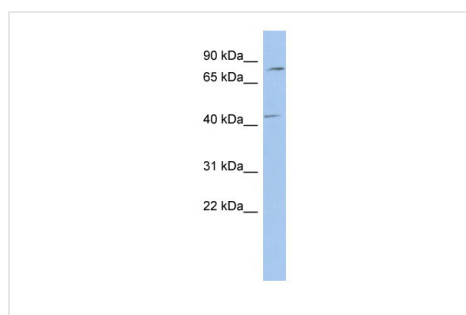
PRODUCT SYNONYMS

P2RX7; Polyclonal Antibody; P2RX7 antibody - middle region; anti-P2RX7 antibody

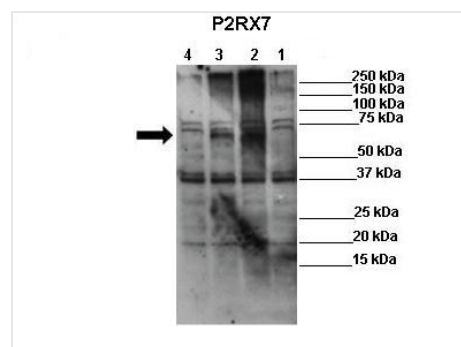
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: LR HCAYRCYATW RFGSQDMADF ANLPSCCRWR IRKEFPKSEG QYSGFKSP
Sequence Length	595
Applicable Applications for anti-P2RX7 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Guinea Pig: 83%; Horse: 86%; Human: 100%; Mouse: 92%; Pig: 93%; Rabbit: 93%; Rat: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human P2RX7
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-P2RX7 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Stomach


WB (Western Blot)

WB Suggested Anti-P2RX7 Antibody Positive Control: Lane 1: 50ug mock transfected HEK-293
Lane 2: 50ug hP2X7 transfected HEK-293
Lane 3: 50ug mP2X7 transfected HEK-293
Lane 4: 50ug rP2X7 transfected HEK-293
Primary Antibody Dilution : 1:625
Secondary Antibody : Anti-rabbit-HRP
Secondary Antibody Dilution : 1:1000
Submitted by: Ronald Sluyter, School of Biological Sciences, University of Wollongong

ADDITIONAL INFORMATION

Related Product Information for anti-P2RX7 antibody	This is a rabbit polyclonal antibody against P2RX7. It was validated on Western Blot using a cell lysate as a positive control. Target Description: The product P2RX7 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants which would encode different isoforms have been identified although some fit nonsense-mediated decay (NMD) criteria. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-P2RX7 antibody	Polyclonal ; Ion Channel ; Membrane Protein ; Chromatin & Nuclear Signaling ; Immunology ; Membrane & Traffic ; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	300068987
NCBI GeneID	5027
NCBI Accession #	NP_002553
NCBI GenBank Nucleotide #	NM_002562
UniProt Accession #	Q99572
Molecular Weight	68kDa
NCBI Official Full Name	P2X purinoceptor 7
NCBI Official Synonym Full Names	purinergic receptor P2X 7
NCBI Official Symbol	P2RX7
NCBI Official Synonym Symbols	P2X7
NCBI Protein Information	P2X purinoceptor 7
UniProt Protein Name	P2X purinoceptor 7
UniProt Gene Name	P2RX7
UniProt Synonym Gene Names	P2X7
UniProt Entry Name	P2RX7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.