

Rabbit P2RX7 Polyclonal Antibody | anti-P2RX7 antibody

P2RX7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40773	Rabbit	Reactivity: Human, Mouse Predicted species reactivity based on immunogen sequence: Rat: (81%)	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

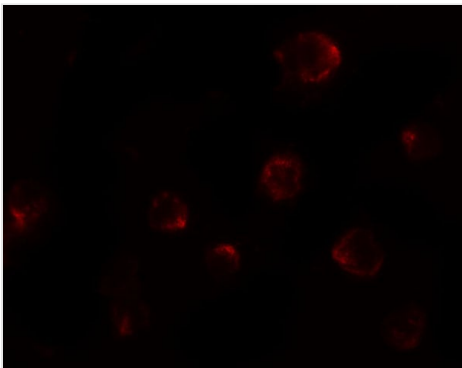
PRODUCT SYNONYMS

P2RX7; Polyclonal Antibody; P2RX7 Antibody; P2X purinoceptor 7; P2X7; purinergic receptor P2X ligand-gated ion channel 7; purinergic receptor P2X; ligand-gated ion channel; 7; anti-P2RX7 antibody

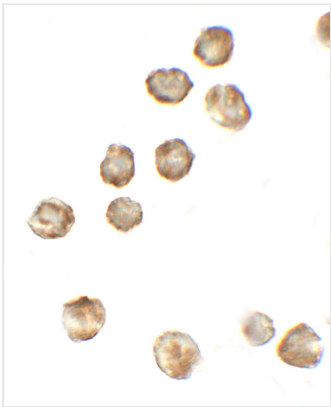
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reactivity: Human, Mouse Predicted species reactivity based on immunogen sequence: Rat: (81%)
Clonality	Polyclonal
Isotype	IgG
Specificity	P2RX7 antibody is human, mouse, and rat reactive. Multiple isoforms of P2RX7 are known to exist.
Purity/Purification	P2RX7 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	595
Applicable Applications for anti-P2RX7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	P2RX7 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human P2RX7.
Buffer	P2RX7 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	P2RX7 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

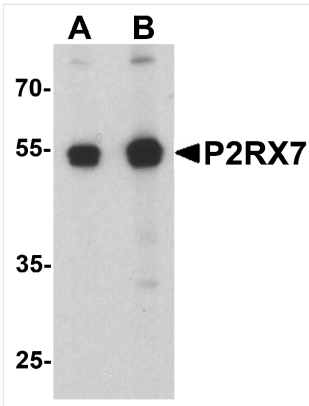
IMAGES



IF (Immunofluorescence)
Immunofluorescence of P2RX7 in 3T3 cells with P2RX7 antibody at 20 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of P2RX7 in 3T3 cells with P2RX7 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of P2RX7 in 3T3 cell lysate with P2RX7 antibody at (A) 1 and (B) 2 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-P2RX7 antibody

The purinergic receptor P2X ligand-gated ion channel 7 (P2RX7) belongs to the family of purinoceptors for ATP (1). 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 (1,2). 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 (2). Recent studies have suggested that P2RX7 may play a key role in immune-mediated diseases such as rheumatoid arthritis (3) as well as neuropsychiatric disorders (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	300068987
NCBI GeneID	5027
NCBI Accession #	NP_002553
NCBI GenBank Nucleotide #	NM_002562.5
UniProt Accession #	Q99572; O14991; Q4VKH8; Q4VKH9; Q4VKI0; Q4VKI1; Q4VKI2; A8K2Z0; E7EMK6; F5H6P2; F5H7E8; F8W951
Molecular Weight	Predicted: 34; 47; 65 kDa Observed: 54 kDa
NCBI Official Full Name	P2X purinoceptor 7
NCBI Official Synonym Full Names	purinergic receptor P2X, ligand gated ion channel, 7

NCBI Official Symbol	P2RX7
NCBI Official Synonym Symbols	P2X7
NCBI Protein Information	P2X purinoceptor 7; ATP receptor; P2Z receptor; P2X7 receptor; purinergic receptor P2X7 variant A; purinergic receptor P2X, ligand-gated ion channel, 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p2rx7-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40773>