

Goat P2RX7/P2X7 receptor Polyclonal Antibody | anti-P2RX7 antibody

Goat anti-P2RX7/P2X7 receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13663	Goat	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat, Dog	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

P2RX7/P2X7 receptor; Polyclonal Antibody; Goat anti-P2RX7/P2X7 receptor Antibody; P2RX7; purinergic receptor P2X; ligand-gated ion channel; 7; MGC20089; P2X7; ATP receptor; P2X purinoceptor 7; P2X7 receptor; P2Z receptor; purinergic receptor P2X7; P2RX7 antibody; 7 antibody; MGC20089 antibody; P2X7 antibody; ATP receptor antibody; P2X purinoceptor 7 antibody; P2X7 receptor antibody; P2Z receptor antibody; purinergic receptor P2X7 antibody; P2RX7 / P2X7 receptor; anti-P2RX7 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat, Dog
Clonality	Polyclonal
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration	0.5 mg/mL (varies by lot)
Sequence Length	595
Applicable Applications for anti-P2RX7 antibody	ELISA (Peptide ELISA), WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Peptide ELISA: antibody detection limit dilution 1:16000. Western blot: Approx 37kDa and 70kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 68.6kDa according to NP_002553.2). Recommended concentration: 1-3ug/ml. An additional band of unknown identity was also consistently observed at 37kDa. This band was successfully blocked by incubation with the immunizing peptide. IHC: In paraffin embedded Human Brain Cortex shows membranous staining of cell bodies and processes. Recommended concentration: 3-6ug/ml. Paraffin embedded Human Kidney. Recommended concentration: 3.75ug/ml. Immunofluorescence (IF): This antibody has been successfully used in IF on Mouse: Thaler R et al. (2015) PMID: 25491310.
Immunogen	Peptide with sequence YETNKVTRIQSMNY-C, from the N Terminus of the protein sequence according to NP_002553.2.
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
AAA13663 (3.75µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



IHC (Immunohistochemistry)
3.8ug/ml) staining of paraffin embedded Human Brain Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



WB (Western Blot)
Staining (0.3ug/ml) of Human Brain (Frontal Cortex) lysate (35ug protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29294631
NCBI GeneID	5027
NCBI Accession #	NP_002553.2
NCBI GenBank Nucleotide #	NM_002562.4
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p2rx7-p2x7-receptor-antibody-peptide-elisa-western-blot-immunohistochemistry-elisa/13663>