

Rabbit anti-Human P2RX4 Monoclonal Antibody | anti-P2RX4 antibody

P2RX4 Rabbit PolymAb

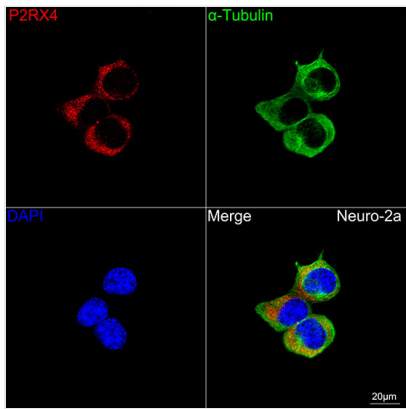
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283061	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

P2RX4; Monoclonal Antibody; P2RX4 Rabbit PolymAb; P2X4; P2X4R; anti-P2RX4 antibody

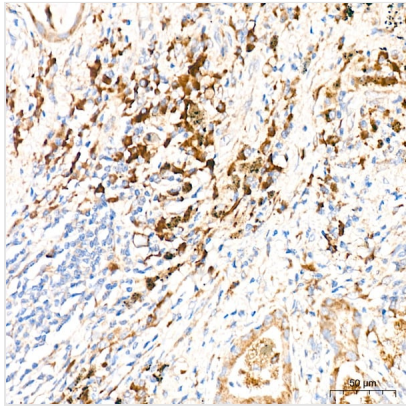
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	QETDSVSSV TTKVKGVAVT NTSKLGFRIW DVADYVIPAQ EENSLFVMTN VILTMNQ TQG LCPEIPDATT VCKSDASCTA GSAGTHSNGV STGRCVAFNG SVKTCEVA AW CPVEDDTHVP QPAFLKAAEN FTLLVKNNIW YPKFNFSKRN ILPNITTTYL KSCIYDAKTD PFCPIFRLGK IVENAGHSFQ DMAVEGGIMG IQVNWDCNLD RAASLCLPRY SFRRLDTRDV EHNVSPGYNF RFAKYYRDLA GNEQRTLKA YGIRFDIIVF GKAGKFDIIP T
Applicable Applications for anti-P2RX4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 55-338 of human P2RX4 (NP_110378.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



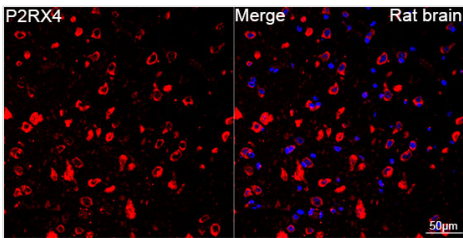
ICC (Immunocytochemistry)

Confocal imaging of Neuro-2a cells using P2RX4 Rabbit PolymAb® (AAA283061, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



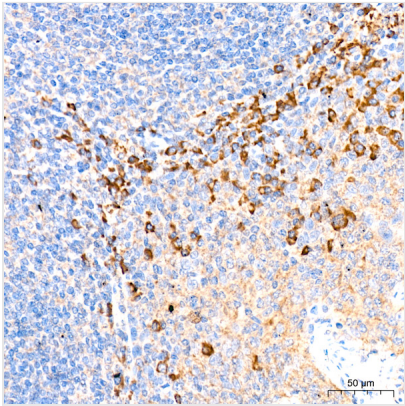
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human lung tissue using P2RX4 Rabbit PolymAb® (AAA283061) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



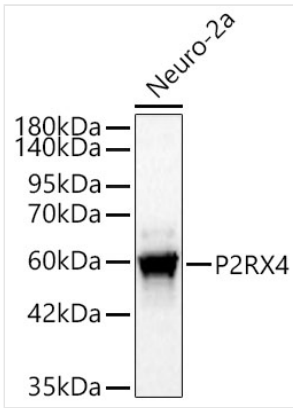
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Rat brain tissue using P2RX4 Rabbit PolymAb® (AAA283061, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using P2RX4 Rabbit PolymAb® (AAA283061) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of Neuro-2a cells using P2RX4 Rabbit PolymAb® (AAA283061) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-P2RX4 antibody	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene.
Product Categories/Family for anti-P2RX4 antibody	Cell Biology Developmental Biology; Neuroscience; Cardiovascular; Blood; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	116242696
NCBI GeneID	5025
UniProt Accession #	Q99571; O00450; O14722; Q5U089; Q5U090; Q8N4N1; Q9UBG9; E7EPF7; F6RU17
Molecular Weight	Calculated MW: 43kDa Observed MW: 60kDa
UniProt Protein Name	P2X purinoceptor 4
UniProt Gene Name	P2RX4
UniProt Synonym Gene Names	P2X4
UniProt Entry Name	P2RX4_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/monoclonal/p2rx4-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283061>