

## ARG64981 anti-P2RX7 / P2X7 Receptor antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes P2RX7 / P2X7 Receptor
Tested Reactivity	Hu, Ms
Predict Reactivity	Dog, Rat
Tested Application	ICC/IF, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	P2RX7 / P2X7 Receptor
Species	Human
Immunogen	YETNKKVTRIQSMNY-C
Conjugation	Un-conjugated
Alternate Names	ATP receptor; P2X7; P2X purinoceptor 7; P2Z receptor; Purinergic receptor

### Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	IHC-P	3 - 6 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

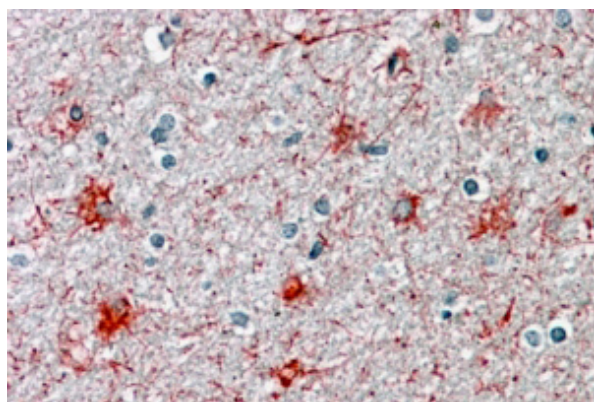
### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

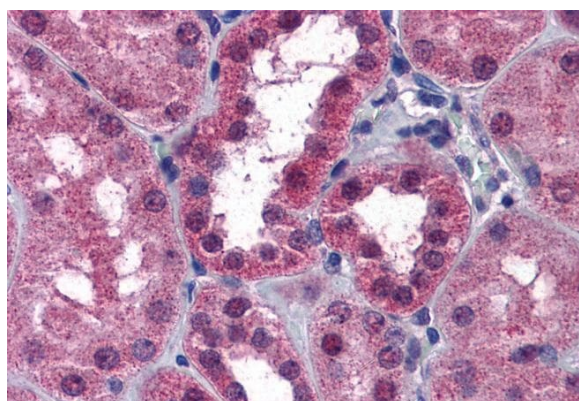
Database links	<a href="#">GeneID: 18439 Mouse</a> <a href="#">GeneID: 5027 Human</a> <a href="#">Swiss-port # Q99572 Human</a> <a href="#">Swiss-port # Q9Z1M0 Mouse</a>
Background	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel 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 have been identified, most of which fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq, Jul 2010]
Research Area	Neuroscience antibody
Calculated Mw	69 kDa
PTM	Phosphorylation results in its inactivation. ADP-ribosylation at Arg-125 is necessary and sufficient to activate P2RX7 and gate the channel. Palmitoylation of several cysteines in the C-terminal cytoplasmic tail is required for efficient localization to cell surface.

## Images



ARG64981 anti-P2RX7 / P2X7 Receptor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain cortex tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64981 anti-P2RX7 / P2X7 Receptor antibody at 3.8 µg/ml dilution followed by AP-staining.



ARG64981 anti-P2RX7 / P2X7 Receptor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64981 anti-P2RX7 / P2X7 Receptor antibody at 3.75 µg/ml dilution followed by AP-staining.