

P2RX4 rabbit monoclonal antibody

Catalog # H00005025-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human P2RX4 peptide using ARM Technology.
Immunogen	A synthetic peptide of human P2RX4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human P2RX4 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	<ol style="list-style-type: none">1. Customer may provide cell or tissue lysate for antibody screening.2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — P2RX4

Entrez GeneID	5025
GeneBank Accession#	P2RX4
Gene Name	P2RX4
Gene Alias	P2X4, P2X4R
Gene Description	purinergic receptor P2X, ligand-gated ion channel, 4
Omim ID	600846
Gene Ontology	Hyperlink
Gene Summary	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 have been identified for this gene although their full-length natures have not been determined. [provided by RefSeq]
Other Designations	ATP receptor ATP-gated cation channel protein P2X purinoceptor 4 P2X receptor, subunit 4 purinergic receptor P2X4 purinoceptor P2X4

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Agoraphobia](#)
- [Anxiety Disorders](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)