

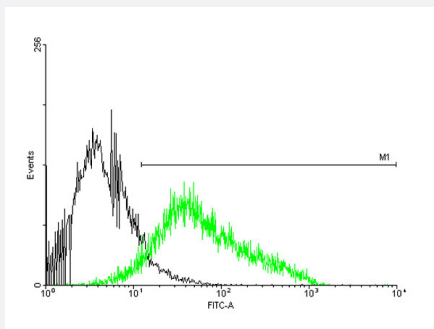
MaxPab®

P2RX4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005025-B01P

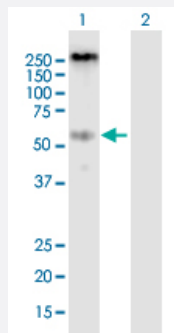
Size 50 ug

Applications



Flow Cytometry

FACS analysis of negative control 293 cells (Black) and P2RX4 expressing 293 cells (Green) using P2RX4 purified MaxPab mouse polyclonal antibody.



Western Blot (Transfected lysate)

Western Blot analysis of P2RX4 expression in transfected 293T cell line ([H00005025-T01](#)) by P2RX4 MaxPab polyclonal antibody.

Lane 1: P2RX4 transfected lysate(42.68 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human P2RX4 protein.

Immunogen

P2RX4 (NP_002551.2, 1 a.a. ~ 388 a.a) full-length human protein.

Sequence

MAGCCAALAAFLFEYDTPRMLIRSRKVGLMNRVQLLILAYVIGWVFWVEKGYQETDSVVSSVTT
KVKGVAVTNTSKLGFRWVDVADYVIPAQEENSLFVMTNVILTMNQTQGLCPEIPDATTVCCKSDASC
TAGSAGTHSNGVSTGRCVAFNGSVKTCVAAWCPVEDDTHVPQPAFLKAAENFTLLVKNNIWYP
KFNFSKRNLPNITTTYLKSCYDAKTDPFCEIFRLGKIVENAGHSFQDMAVEGGIMGIQVNWDCNLD
RAASLCLPRYSFRRLDTRDVEHNVSPGYNFRFAKYRDLAGNEQRTLKAYGIRFDIIVFGKAGKFDI
IPTMINIGSGLALLGMATVLCDIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQ

Host

Mouse

Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — P2RX4

Entrez GeneID	5025
GeneBank Accession#	NM_002560.2
Protein Accession#	NP_002551.2
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

Publication Reference

- [Purinergic receptors expressed in human skeletal muscle fibres.](#)

Borno A, Ploug T, Bune LT, Rosenmeier JB, Thaning P.

Purinergic Signalling 2012 Jun; 8(2):255.

Application: IF, IHC-Fr, Human, Muscle from patients with type 2 diabetes

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](#)