

Datasheet for ABIN2776293

anti-P2RX2 antibody (N-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	P2RX2
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Rabbit, Guinea Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human P2RX2
Sequence:	DGASVSQFLG TMAPNFTILI KNSIHYPKFH FSKGNIADRT DGYLKRCTFH
Predicted Reactivity:	Cow: 75%, Guinea Pig: 83%, Human: 100%, Rabbit: 79%, Rat: 90%
Characteristics:	This is a rabbit polyclonal antibody against P2RX2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	P2RX2
Alternative Name:	P2RX2 (P2RX2 Products)

Target Details

Background:	<p>P2RX2 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Six transcript variants encoding six distinct isoforms have been identified for P2RX2 The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Six transcript variants encoding six distinct isoforms have been identified for this gene.</p> <p>Alias Symbols: MGC129601, P2X2</p> <p>Protein Interaction Partner: P2RX2, GABRR1, P2RX3, P2RX1,</p> <p>Protein Size: 399</p>
Molecular Weight:	44 kDa
Gene ID:	22953
NCBI Accession:	NM_012226 , NP_036358
Pathways:	Skeletal Muscle Fiber Development , Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 399 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

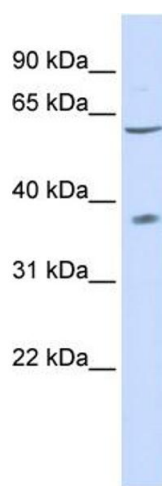
Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

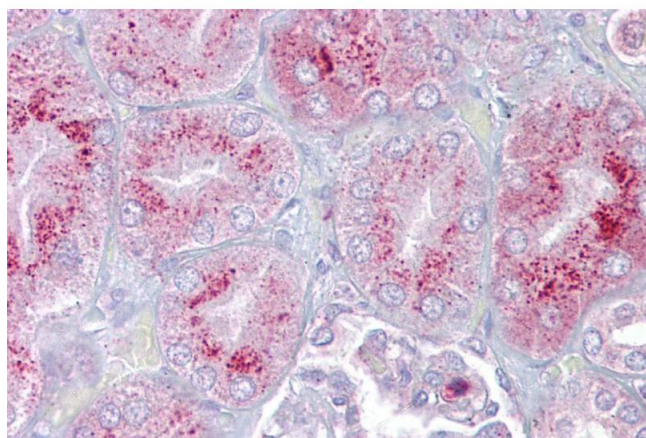
Product cited in: Ramsey, Clarke, Roberts, Sullivan, Johnson, Liu: "An economic evaluation of atorvastatin for primary prevention of cardiovascular events in type 2 diabetes." in: **Pharmacoeconomics**, Vol. 26, Issue 4, pp. 329-39, (2008) ([PubMed](#)).

Validation report #104256 for Western Blotting (WB)



Western Blotting

Image 1. WB Suggested Anti-P2RX2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 293T cell lysate



Immunohistochemistry

Image 2. Immunohistochemistry with Kidney tissue at an antibody concentration of 5µg/ml using anti-P2RX2 antibody (ARP35436_P050)