

Product datasheet for **TA338779**

P2RX4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-P2RX4 antibody: synthetic peptide directed towards the N terminal of human P2RX4. Synthetic peptide located within the following region: VQLLILAYVIGWVFWWEKGYQETDSVSSVTTKVKGVAVTNTSKLGFRIW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	purinergic receptor P2X 4
Database Link:	NP_002551 Entrez Gene 5025 Human Q99571



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Background:	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. [provided by RefSeq, Feb 2012]
Synonyms:	P2X4; P2X4R
Note:	Immunogen Sequence Homology: Human: 100%; Dog: 93%; Pig: 93%; Rat: 93%; Mouse: 93%; Rabbit: 93%; Bovine: 86%; Zebrafish: 86%; Guinea pig: 86%
Protein Families:	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction

Product images:

WB Suggested Anti-P2RX4 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: Human Muscle