

Product datasheet for **AP31932PU-N**

P2RX4 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	Peptide ELISA: 1/16000 (Detection limit). Western Blot: Approx 48-50kDa band observed in lysates of cell line A549 (calculated MW of 43.4kDa according to Human NP_002551.2). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommended concentration: 0.3-1 µg/ml. Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Mouse and Rat Kidney and Liver for this particular batch. Immunofluorescence: 10 µg/ml. Strong expression of the protein seen in the cytoplasm of A431 cells. Immunohistochemistry on Paraffin Sections: 5 µg/ml in Paraffin embedded Human Uterus.
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_035156.2.
Specificity:	This antibody recognizes P2rx4
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Predicted Protein Size: 43.5 kDa (NP_002551.2)

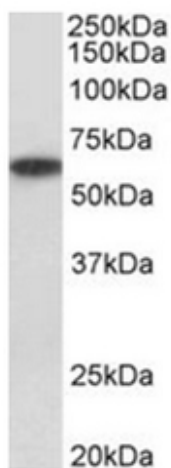
Gene Name: purinergic receptor P2X 4

Database Link: [Entrez Gene 5025 Human Q99571](#)

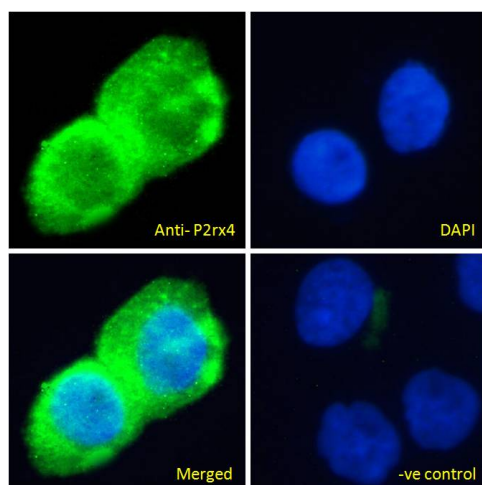
Background: The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants have been identified for this gene although their full-length natures have not been determined.

Synonyms: P2X purinoceptor 4, ATP receptor, Purinergic receptor

Product images:



P2RX4 antibody staining of Human Kidney lysate at 1 ug/ml (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).