

For Research Use Only

# P2RX4 Polyclonal antibody, PBS Only

Catalog Number: 13534-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

13534-1-PBS

**Size:**

1 mg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4445

**GenBank Accession Number:**

BC033826

**GeneID (NCBI):**

5025

**UNIPROT ID:**

Q99571

**Full Name:**

purinergic receptor P2X, ligand-gated ion channel, 4

**Calculated MW:**

388 aa, 43 kDa

**Observed MW:**

45-60 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse

## Background Information

Nucleotides, the structural subunits of the nucleic acids, are also important extracellular signaling molecules. P2 receptors are a family of cell surface receptors that mediate a wide variety of physiologic effects in response to extracellular nucleotides. These receptors fall into two classes: P2X receptors, which are ligand-gated ion channels that mediate calcium and potassium fluxes in response to ATP, and P2Y receptors, which are G protein-coupled receptors (GPCRs). P2RX4 (P2X purinoceptor 4) is a receptor for ATP acting as a ligand gated ion channel. The calculated molecular weight of P2RX4 is 43 kDa, larger apparent molecular weights of 50-80 kDa have been reported, possibly due to post-translational glycosylation (PMID: 24040145, 15262999; 29382907; 12566439). The antibody can detect the band around 45 kDa.

## Storage

**Storage:**

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**

PBS Only

For technical support and original validation data for this product please contact:

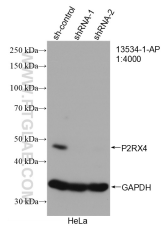
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

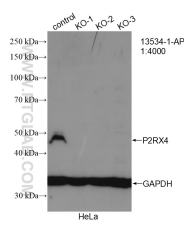
W: [ptgcn.com](http://ptgcn.com)

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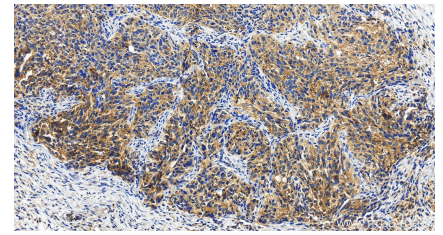
## Selected Validation Data



WB result of P2RX4 antibody (13534-1-AP; 1:4000; room temperature for 1.5 hours) with sh-control and sh-P2RX4 transfected HeLa cells. This data was developed using the same antibody clone with 13534-1-PBS in a different storage buffer formulation.



WB result of P2RX4 antibody (13534-1-AP; 1:4000; room temperature for 1.5 hours) with wild-type and P2RX4 knockout HeLa cells. This data was developed using the same antibody clone with 13534-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 13534-1-AP (P2RX4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13534-1-PBS in a different storage buffer formulation.