

For Research Use Only

# P2RX4 Polyclonal antibody

Catalog Number: 13534-1-AP

Featured Product

11 Publications



## Basic Information

<b>Catalog Number:</b> 13534-1-AP	<b>GenBank Accession Number:</b> BC033826	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5025	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>Full Name:</b> purinergic receptor P2X, ligand-gated ion channel, 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 388 aa, 43 kDa	
<b>Immunogen Catalog Number:</b> AG4445	<b>Observed MW:</b> 45-60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells,
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, rat, 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yexian Yuan	35507647	Sci Adv	WB
Si-Ting Wu	35352488	CNS Neurosci Ther	IF
Zhuo Lin	33828988	Front Oncol	IHC

## Storage

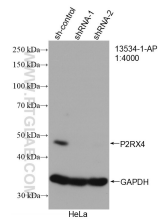
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

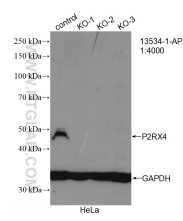
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## 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.



WB result of P2RX4 antibody (13534-1-AP; 1:4000; room temperature for 1.5 hours) with wild-type and P2RX4 knockout HeLa cells.