

P2RX4 Polyclonal Antibody

Catalog number: 13534-1-AP

Size: 30 µg/150 µl

Source: Rabbit

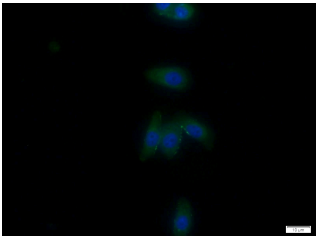
Isotype: IgG

Synonyms:

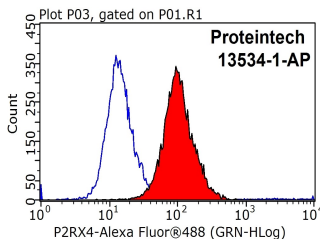
P2RX4; ATP receptor, P2RX4,

P2X purinoceptor 4, P2X4,

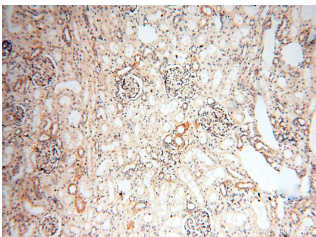
P2X4R, Purinergic receptor



Immunofluorescent analysis of HeLa cells using 13534-1-AP (P2RX4 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



1X10⁶ HeLa cells were stained with 0.2µg P2RX4 antibody (13534-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemical of paraffin-embedded human kidney using 13534-1-AP(P2RX4 antibody) at dilution of 1:100 (under 10x lens)

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IF, FC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated P2RX4 MW:	388aa, 43 kDa
Observed P2RX4 MW:	55-60kd, 70-80kd
Positive WB detected in	HeLa cells, A549 cells, human colon tissue, mouse brain tissue, SH-SY5Y cells
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human kidney tissue, human lung tissue, human ovary tissue, human placenta tissue, human skin tissue, human spleen tissue
Positive IF detected in	HeLa cells
Positive FC detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200 FC: N/A

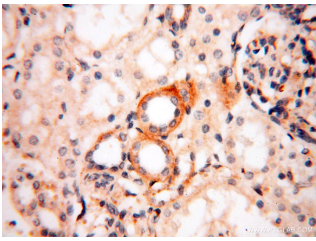
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

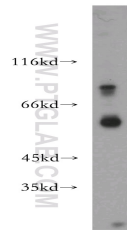
Immunogen:	Ag4445
GenBank accession number:	BC033826
Gene ID (NCBI):	5025
Full name:	Purinergic receptor P2X, ligand-gated ion channel, 4

Product information

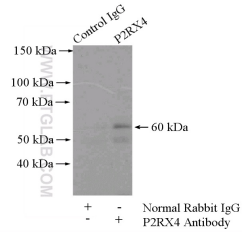
Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunohistochemical of paraffin-embedded human kidney using 13534-1-AP(P2RX4 antibody) at dilution of 1:100 (under 40x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 13534-1-AP(P2RX4 antibody) at dilution of 1:300



IP Result of anti-P2RX4 (IP:13534-1-AP, 4ug; Detection:13534-1-AP 1:500) with mouse brain tissue lysate 4000ug.