

For Research Use Only

P2RY11 Polyclonal antibody

Catalog Number: 20191-1-AP



Basic Information

Catalog Number: 20191-1-AP	GenBank Accession Number: BC009877	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5032	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	Full Name: purinergic receptor P2Y, G-protein coupled, 11	
Isotype: IgG	Calculated MW: 374 aa, 40 kDa	
Immunogen Catalog Number: AG14106	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells
Species Specificity: human	

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). P2Y purinoceptor 11 (P2RY11) is a receptor for ATP and ADP coupled to G-proteins that activate both phosphatidylinositol-calcium and adenylyl cyclase second messenger systems. It is not activated by UTP or UDP (PMID: 9405388). Expression of P2RY11 has been detected in immune cells including dendritic cells, macrophages and non-immune cells including cancer cells (PMID: 33463722). It is involved in immune regulation (PMID: 27246167). No murine P2ry11 has been identified.

Storage

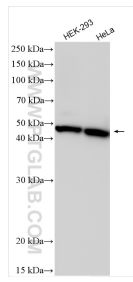
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20191-1-AP (P2RY11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.