

For Research Use Only

P2RY6 Polyclonal antibody

Catalog Number: 11300-1-AP **2 Publications**



Basic Information

Catalog Number: 11300-1-AP	GenBank Accession Number: BC009391	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5031	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: pyrimidinergic receptor P2Y, G-protein coupled, 6	
Isotype: IgG	Calculated MW: 36 kDa	
Immunogen Catalog Number: AG1820	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: 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). P2RY6 is responsive to UDP, partially responsive to UTP and ADP, and not responsive to ATP. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. (PMID: 8670200; 21724990)

Notable Publications

Author	Pubmed ID	Journal	Application
Erina Takai	21388279	Radiat Res	WB
Takai Erina E	21189077	Radiat Res	WB

Storage

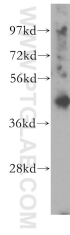
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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W: ptglab.com

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Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 11300-1-AP (P2RY6 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.