

P2RY11 Polyclonal antibody

Catalog Number: 20191-1-AP

Basic Information

Catalog Number:

20191-1-AP

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14106

GenBank Accession Number:

BC009877

GeneID (NCBI):

5032

UNIPROT ID:

Q96G91

Full Name:

purinergic receptor P2Y, G-protein coupled, 11

Calculated MW:

374 aa, 40 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells

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:

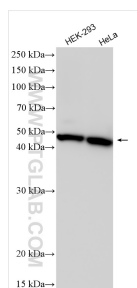
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.