

# P2RY11 Polyclonal antibody

Catalog Number: 20191-1-AP

## Basic Information

**Catalog Number:**

20191-1-AP

**Size:**

150ul, Concentration: 850 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

**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

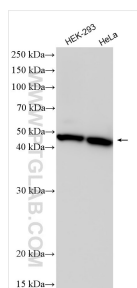
**\*\*\* 20ul sizes contain 0.1% BSA**

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](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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.