

## P2RY12 Antibody

Catalog No: #31255



Package Size: #31255-1 50ul #31255-2 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	P2RY12 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total P2RY12 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 11-24 amino acids of human purinergic receptor P2Y, G-protein coupled, 12
Target Name	P2RY12
Other Names	purinergic receptor P2Y, G-protein coupled, 12, HORK3, P2Y12, ADPG-R, BDPLT8, SP1999, P2T(AC), P2Y(AC), P2Y(12)R, P2Y(ADP), P2Y(cyc)
Concentration	0.6mg/ml
Formulation	Supplied at 0.8mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

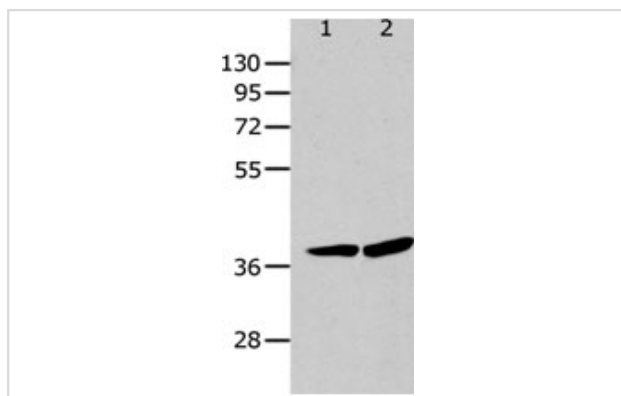
Predicted MW: 39kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 10+12% SDS-PAGE

Lane1: 293T celllysate

Lane2: HeLa cell lysate

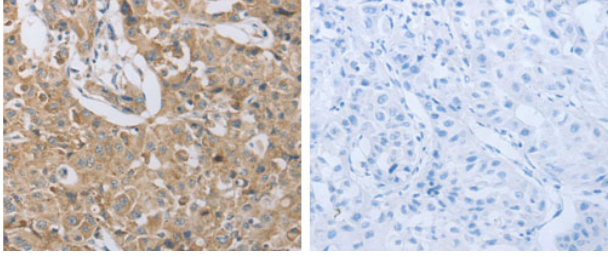
Lysates: 40ug per lane

Primary antibody: 1/400 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at

1/5000 dilution

Exposure time: 30 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 31255 (P2RY12 Antibody) at dilution 1/25, on the right is treated with the synthetic peptide. (Original magnification:  $\times 200$ )

## Background

The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is involved in platelets aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Two transcript variants encoding the same isoform have been identified for this gene.

## Published Papers

el at., Integrative Analysis of Single-Cell and Bulk Sequencing Data Depicting the Expression and Function of P2ry12 in Microglia Post Ischemia $\beta$  Reperfusion Injury InInt J Mol SciOn2023 AprbyChenglong Wang, Li Peng et al..PMID:37047745, , (2023)

[PMID:37047745](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.