Product Datasheet

P2RY11 Antibody

Catalog No: #31254

Package Size: #31254 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	P2RY11 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total P2RY11 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 361-374 amino acids of Human purinergic receptor P2Y, G-protein coupled, 11
Target Name	P2RY11
Other Names	purinergic receptor P2Y, G-protein coupled, 11, P2Y11
Accession No.	Genbank No.: NP_002557
Formulation	Supplied at 1mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

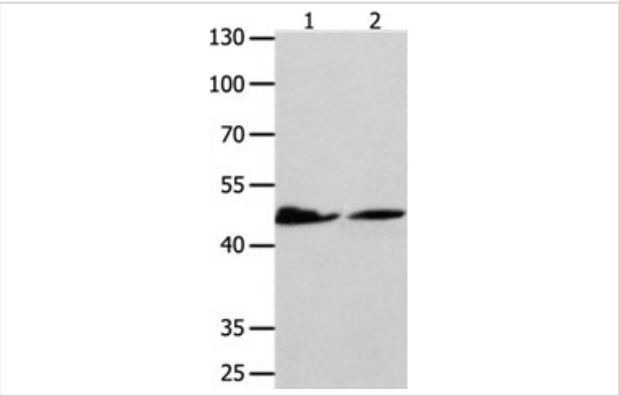
Predicted MW: 40kd

ELISA: 1:1000-1:5000

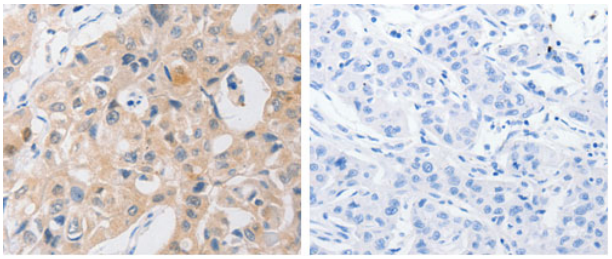
Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images



Gel: 10%SDS-PAGE
Lane1: Hela cell lysate
Lane2: 293T cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/500 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 31254 (P2RY11 Antibody) at dilution 1/40, on the right is treated with the synthetic peptide.

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 coupled to the stimulation of the phosphoinositide and adenylyl cyclase pathways and behaves as a selective purinoceptor. Naturally occuring read-through transcripts, resulting from intergenic splicing between this gene and an immediately upstream gene (PPAN, encoding peter pan homolog), have been found. The PPAN-P2RY11 read-through mRNA is ubiquitously expressed and encodes a fusion protein that shares identity with each individual gene product.

Published Papers

el at., Inhibition of P2Y11R ameliorated TNF-α-Induced degradation of extracellular matrix In human chondrocytic SW1353 cells. In Am J Transl Res on 2019 Apr 15 by Wang D, LIn N,et al.. PMID: 31105822, , (2019)

PMID:31105822

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