

PDE4D antibody

Catalog No: #23049

Package Size: #23049 100ul

Description

Product Name	PDE4D antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide contain a sequence corresponding to a region within amino acids 610 and 673 of PDE4D
Conjugates	Unconjugated
Target Name	PDE4D
Other Names	DPDE3; STRK1; HSPDE4D; PDE4DN2
Accession No.	Swiss-Prot:Q08499Gene ID:5144
Concentration	0.3mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

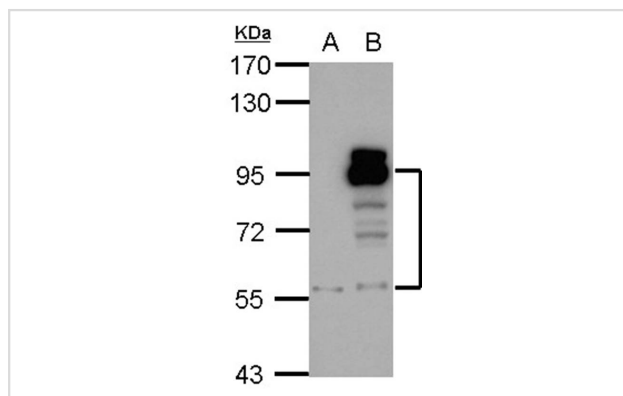
Predicted MW: 76kd

Western blotting: 1:500-1:3000

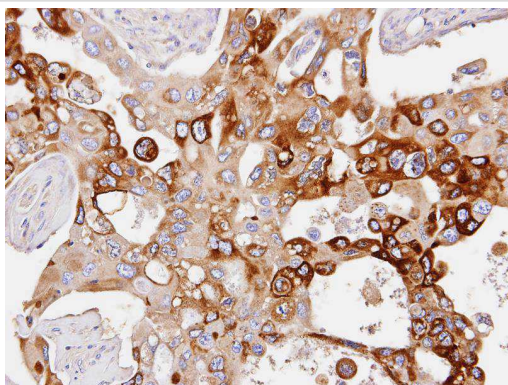
Immunohistochemistry: 1:100-1:250

Immunofluorescence: 1:100-1:200

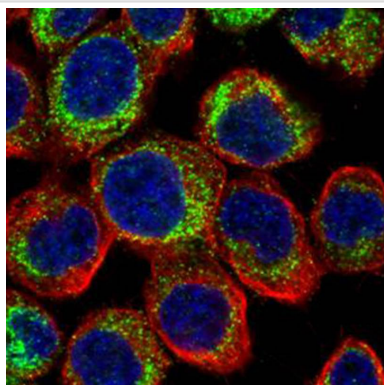
Images



Sample (30 ug of whole cell lysate)
A: A431
B: HeLa
7.5% SDS PAGE
Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded H441 xenograft, using PDE4D antibody at 1: 100 dilution.



Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed A431, using PDE4D antibody (Green) at 1: 500 dilution and alpha-tubulin antibody (Red) at 1: 500.

Background

The PDE4D gene is complex and has at least 9 different isoforms that encode functional proteins. These proteins degrade the second messenger cAMP, which is a key signal transduction molecule in multiple cell types, including vascular cells (Dominiczak and McBride, 2003 [PubMed 14517535]).[supplied by OMIM]

Published Papers

el at., Inhibition of TPL2 by interferon- α suppresses bladder cancer through activation of PDE4D. In J Exp Clin Cancer Res. On 2018 Nov 27 by Qiang Z, Zhou ZY et al.. PMID: 30482227, , (2018)

[PMID:30482227](https://pubmed.ncbi.nlm.nih.gov/30482227/)

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