

## PDE4D antibody

Catalog No: #23049

Package Size: #23049 100ul

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## 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         |
| Target Name           | PDE4D                                                                                                          |
| Other Names           | DPDE3; STRK1; HSPDE4D; PDE4DN2                                                                                 |
| Accession No.         | NCBI Gene ID: 5144NCBI mRNA#: NM_006203NCBI Protein#: NP_006194                                                |
| 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

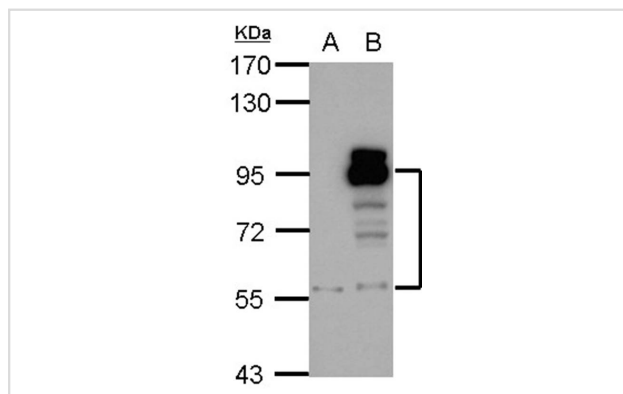
Predicted MW: 76kd

Western blotting: 1:500-1:3000

Immunohistochemistry: 1:100-1:250

Immunofluorescence: 1:100-1:200

## Images



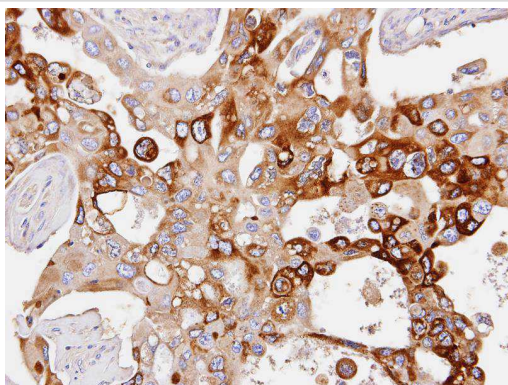
Sample (30 ug of whole cell lysate)

A: A431

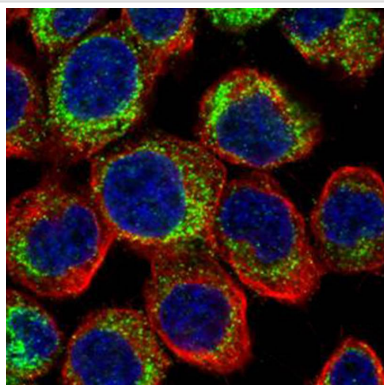
B: HeLa

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- $\alpha$  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.