

For Research Use Only

# DENND2D Polyclonal antibody

Catalog Number: 33113-1-AP



## Basic Information

<b>Catalog Number:</b> 33113-1-AP	<b>GenBank Accession Number:</b> BC004557	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79961	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000 IHC: 1:200-1:800 IF/ICC: 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H6A0	
<b>Isotype:</b> IgG	<b>Full Name:</b> DENN/MADD domain containing 2D	
<b>Immunogen Catalog Number:</b> AG36381	<b>Observed MW:</b> 48-50 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HeLa cells, MCF-7 cells, MDA-MB-231 cells, MOLT-4 cells, SK-BR-3 cells

**IHC:** human ovary tumor tissue, human stomach cancer tissue

**IF/ICC:** A431 cells,

## Background Information

DENND2D (DENN domain-containing protein 2D) is a protein containing a DENN domain and belongs to the family of membrane transport proteins, participating in intracellular membrane transport and signal transduction processes. The DENND2D protein comprises several conserved domains, such as the uDENN, DENN, and dDENN domains, which are widely present in various signaling proteins. In cancer research, the expression and methylation status of DENND2D hold significant prognostic value. DENND2D may serve as a novel tumor biomarker for predicting cancer progression and recurrence.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

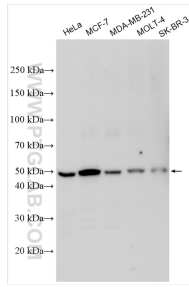
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

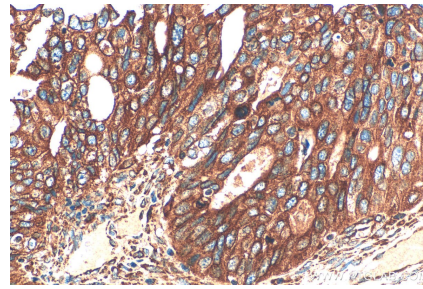
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

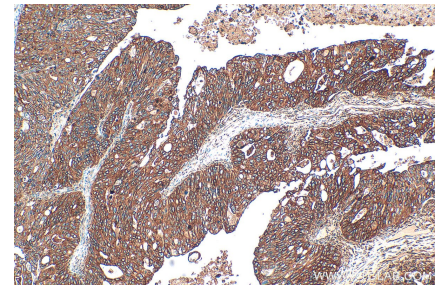
## Selected Validation Data



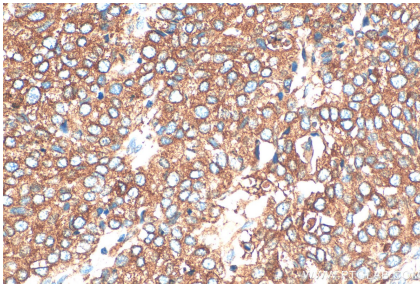
Various lysates were subjected to SDS PAGE followed by western blot with 33113-1-AP (DENND2D antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



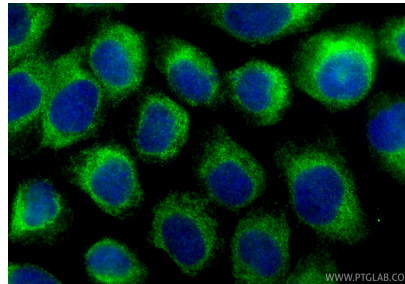
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 33113-1-AP (DENND2D antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 33113-1-AP (DENND2D antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 33113-1-AP (DENND2D antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using DENND2D antibody (33113-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).