

For Research Use Only

DVL2 Polyclonal antibody

Catalog Number: 12037-1-AP

Featured Product

29 Publications



Basic Information

Catalog Number:

12037-1-AP

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2666

GenBank Accession Number:

BC014844

GeneID (NCBI):

1856

UNIPROT ID:

O14641

Full Name:

dishevelled, dsh homolog 2
(Drosophila)

Calculated MW:

736 aa, 79 kDa

Observed MW:

90-95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, xenopus

**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 : HEK-293 cells, mouse thymus tissue, MCF-7 cells,
MDA-MB-453s cells, HepG2 cells, MDA-MB-231 cells,
NIH/3T3 cells

IP : MCF-7 cells,

IHC : human lung cancer tissue, human gliomas tissue,
human prostate cancer tissue, mouse colon tissue, rat
colon tissue

IF/ICC : HepG2 cells,

Background Information

DVL2 is member of the dishevelled (dsh) protein family. DVL2 encodes a 90-kD protein that undergoes posttranslational phosphorylation to form a 95-kD cytoplasmic protein in a variety of cell lines and species. DVL2 participates in Wnt signaling by binding to the cytoplasmic C-terminus of frizzled family members and transducing the Wnt signal to down-stream effectors. It promotes internalization and degradation of frizzled proteins upon Wnt signaling. It plays a role both in canonical and non-canonical Wnt signaling. It also Plays a role in the signal transduction pathways mediated by multiple Wnt genes.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhen-Yu Shi	29039446	Int J Mol Med	WB
Mélinée Futel	30171710	J Cell Biochem	WB, IF
Xiaolong Zhang	35998547	Biochem Biophys Res Commun	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

E: Proteintech-CN@ptglab.com

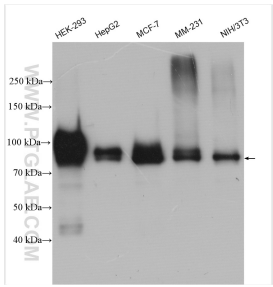
W: ptgcn.com

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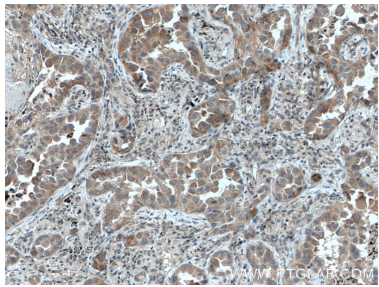
Selected Validation Data



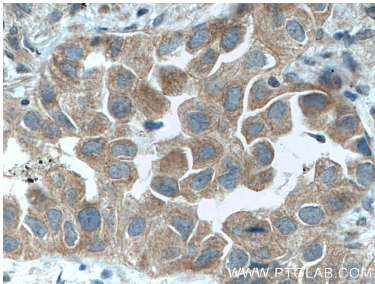
WB result of DVL2 antibody (12037-1-AP, 1:1000) with siDVL2 and si-control transfected cells.



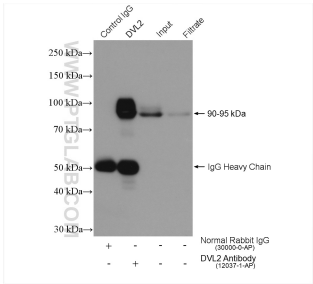
Various lysates were subjected to SDS PAGE followed by western blot with 12037-1-AP (DVL2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



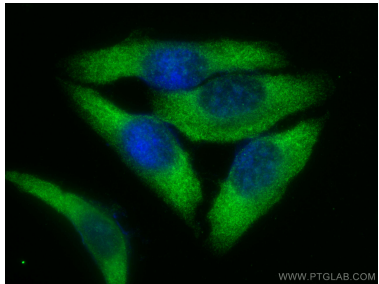
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12037-1-AP (DVL2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12037-1-AP (DVL2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-DVL2 (IP:12037-1-AP, 4ug; Detection:12037-1-AP 1:4000) with MCF-7 cells lysate 640 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DVL2 antibody (12037-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).