

For Research Use Only

# DVL2 Polyclonal antibody

Catalog Number: 12037-1-AP

Featured Product

25 Publications



## Basic Information

<b>Catalog Number:</b> 12037-1-AP	<b>GenBank Accession Number:</b> BC014844	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop and 473 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1856	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> dishevelled, dsh homolog 2 (Drosophila)	<b>IHC 1:50-1:500</b> <b>IF 1:200-1:800</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 736 aa, 79 kDa	
<b>Immunogen Catalog Number:</b> AG2666	<b>Observed MW:</b> 90-95 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> CoIP, IF, IHC, IP, WB	<b>WB :</b> HEK-293 cells, mouse thymus tissue, MCF-7 cells, MDA-MB-453s cells, HepG2 cells, MDA-MB-231 cells, NIH/3T3 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> MCF-7 cells,
<b>Cited Species:</b> human, rat, mouse, Xenopus	<b>IHC :</b> human lung cancer tissue, human gliomas tissue, human prostate cancer tissue, mouse colon tissue, rat colon tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF :</b> HCT 116 cells, 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

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

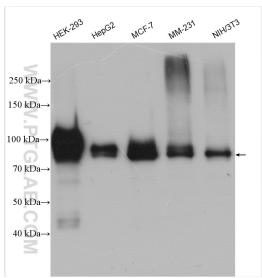
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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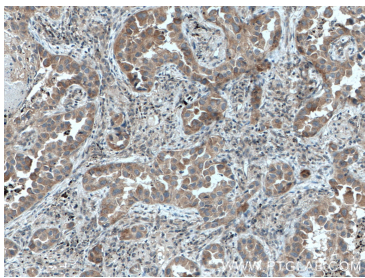
Selected Validation Data



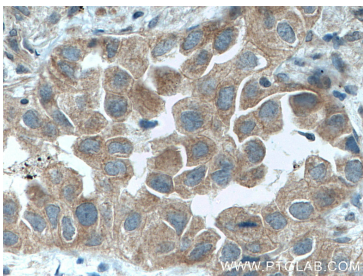
WB result of DVL2 antibody (12037-1-AP, 1:1000) with siDVL2 and si-control transfected cells.



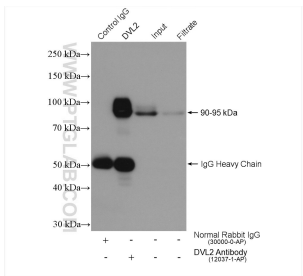
Various lysates were subjected to SDS PAGE followed by western blot with 12037-1-AP (DVL2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



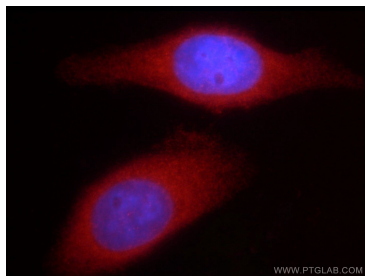
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12037-1-AP (DVL2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



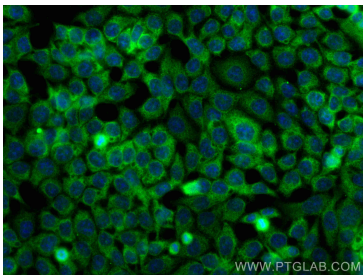
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12037-1-AP (DVL2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 HepG2 cells using 12037-1-AP (DVL2 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG.



Immunofluorescent analysis of (-20°C Ethanol) fixed HCT 116 cells using DVL2 antibody (12037-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).