

For Research Use Only

# VANGL2 Polyclonal antibody

Catalog Number: 21492-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

21492-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15833

### GenBank Accession Number:

BC103920

### GeneID (NCBI):

57216

### UNIPROT ID:

Q9ULK5

### Full Name:

vang-like 2 (van gogh, Drosophila)

### Calculated MW:

521 aa, 60 kDa

### Observed MW:

60-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF, IP, ColP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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** : HepG2 cells, mouse brain tissue, NIH/3T3 cells, rat brain tissue

**IP** : HepG2 cells,

**IHC** : human stomach tissue,

**IF/ICC** : HepG2 cells,

## Background Information

Vangl2 is a key component of the planar cell polarity (PCP) pathway. Vangl2 is tightly associated with the postsynaptic density (PSD) fraction and forms a protein complex with PSD-95 and NMDA receptors. Vangl2 directly binds to the third PDZ domain of PSD-95 via its C-terminal TSV motif. Vangl2 directly binds to N-cadherin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Han	36054333	Hum Mutat	WB
Tammy N Jensen	29097183	Exp Cell Res	ColP
Xin Sheng	34738156	Cell Tissue Res	WB,IF,IP

## 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

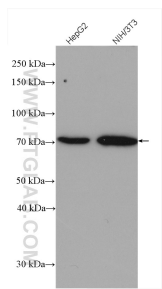
For technical support and original validation data for this product please contact:

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

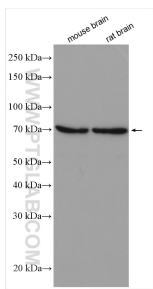
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

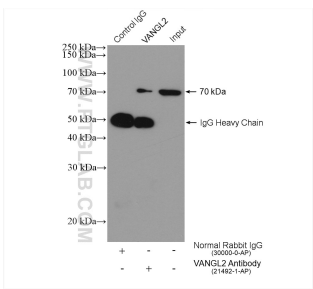
Selected Validation Data



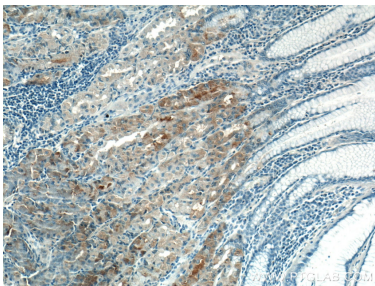
Various lysates were subjected to SDS PAGE followed by western blot with 21492-1-AP (VANGL2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



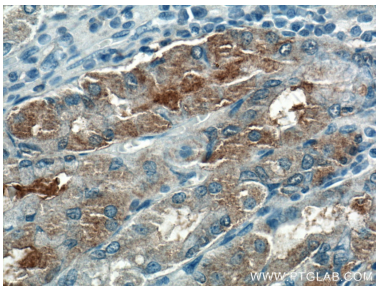
Various lysates were subjected to SDS PAGE followed by western blot with 21492-1-AP (VANGL2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



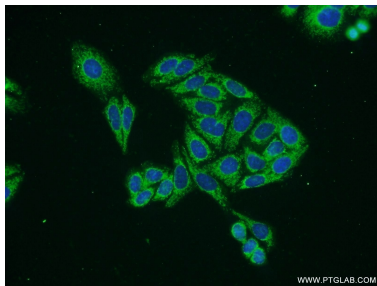
IP result of anti-VANGL2 (IP:21492-1-AP, 4ug; Detection:21492-1-AP 1:500) with HepG2 cells lysate 1880 ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 21492-1-AP (VANGL2 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 21492-1-AP (VANGL2 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 21492-1-AP (VANGL2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).