

For Research Use Only

# VANGL2 Polyclonal antibody

Catalog Number: 21492-1-AP

Featured Product

10 Publications



## Basic Information

<b>Catalog Number:</b> 21492-1-AP	<b>GenBank Accession Number:</b> BC103920	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 300 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 57216	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> vang-like 2 (van gogh, Drosophila)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 521 aa, 60 kDa	
<b>Immunogen Catalog Number:</b> AG15833	<b>Observed MW:</b> 60-70 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
CoIP, IF, IP, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

**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:** 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	CoIP
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

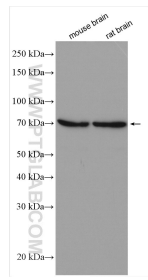
For technical support and original validation data for this product please contact:

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

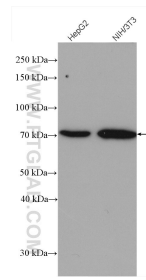
E: proteintech@ptglab.com  
W: ptglab.com

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

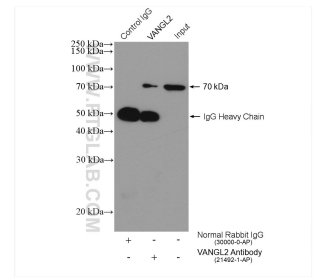
## Selected Validation Data



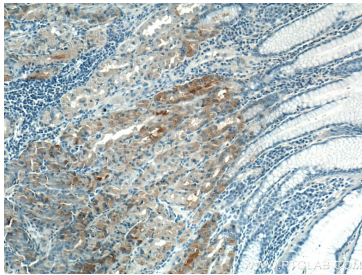
Various lysates were subjected to SDS PAGE followed by western blot with 21492-1-AP (VANGL2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



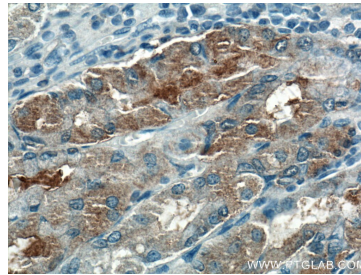
Various lysates were subjected to SDS PAGE followed by western blot with 21492-1-AP (VANGL2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



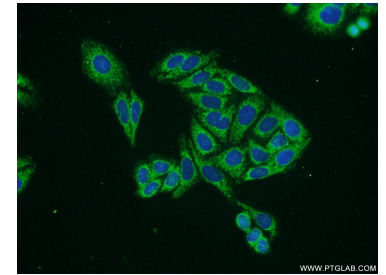
IP result of anti-VANGL2(IP:21492-1-AP, 4ug; Detection:21492-1-AP 1:500) with HepG2 cells lysate 1880 ug.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).