

For Research Use Only

VANGL2 Polyclonal antibody

Catalog Number: 21492-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

21492-1-AP

Concentration:

450 µg/ml

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 µg 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

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

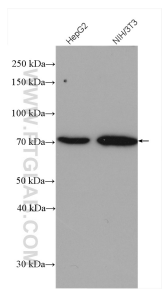
T: 4006900926

E: Proteintech-CN@ptglab.com

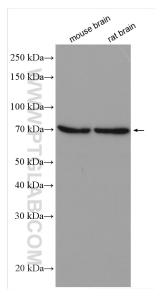
W: ptgcn.com

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

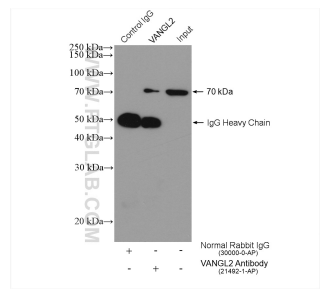
Selected Validation Data



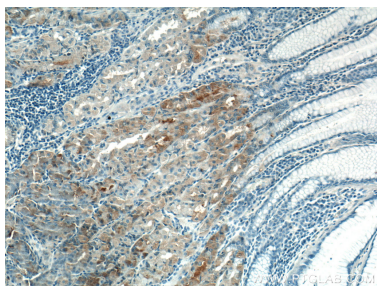
Various lysates were subjected to SDS PAGE followed by western blot with 21492-1-AP (VANGL2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



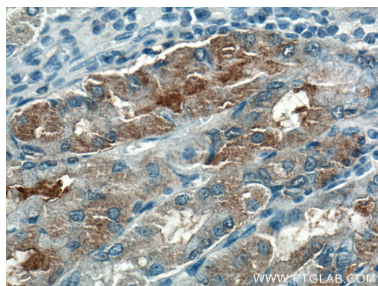
Various lysates were subjected to SDS PAGE followed by western blot with 21492-1-AP (VANGL2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



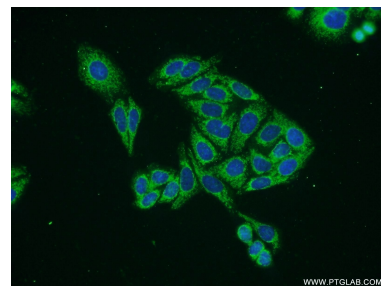
IP result of anti-VANGL2 (IP:21492-1-AP, 4ug; Detection:21492-1-AP 1:500) with HepG2 cells lysate 1880 ug.



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).