

For Research Use Only

# VILIP3 Polyclonal antibody

Catalog Number: 10989-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

10989-1-AP

**Size:**

550 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1449

**GenBank Accession Number:**

BC009846

**GeneID (NCBI):**

3241

**UNIPROT ID:**

P37235

**Full Name:**

hippocalcin-like 1

**Calculated MW:**

22 kDa

**Observed MW:**

22 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

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

IHC 1:50-1:500

IF 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, 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:** SH-SY5Y cells, HeLa cells, mouse brain tissue, rat brain tissue, human brain tissue

**IP:** mouse brain tissue,

**IHC:** human kidney tissue, mouse cerebellum tissue

**IF:** HeLa cells,

## Background Information

VILIP3, is a member of neuron-specific calcium-binding proteins family found in the retina and brain. It is highly similar to human hippocalcin protein and nearly identical to the rat and mouse hippocalcin like-1 proteins. It may be involved in the calcium-dependent regulation of rhodopsin phosphorylation and may be of relevance for neuronal signalling in the central nervous system.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tao Chen	36438486	Theranostics	WB
Mingjian Ma	35645147	Cancer Med	WB,IHC
I-Ling Lu	29950674	Nat Commun	IF

## 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:

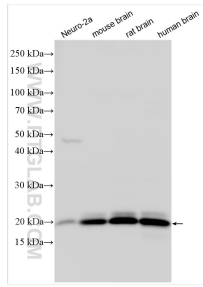
T: 4006900926

E: Proteintech-CN@ptglab.com

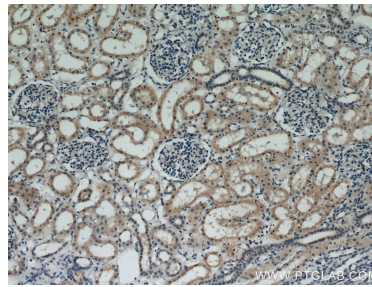
W: ptgcn.com

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

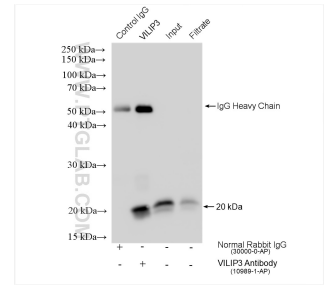
## Selected Validation Data



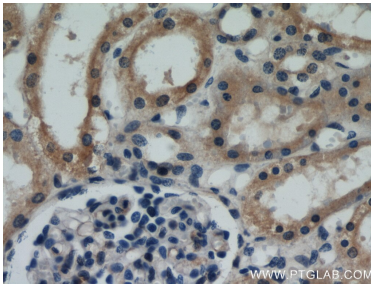
Various lysates were subjected to SDS PAGE followed by western blot with 10989-1-AP (VILIP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



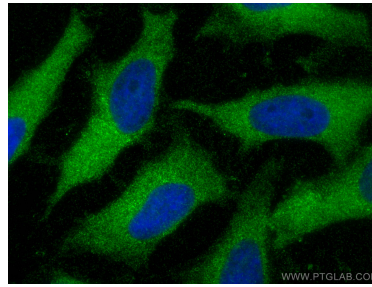
Immunohistochemical analysis of paraffin-embedded human kidney using 10989-1-AP (VILIP3 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-VILIP3 (IP:10989-1-AP, 4ug; Detection:10989-1-AP 1:10000) with mouse brain tissue lysate 1280 ug.



Immunohistochemical analysis of paraffin-embedded human kidney using 10989-1-AP (VILIP3 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using VILIP3 antibody (10989-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).