

For Research Use Only

# NUMB Polyclonal antibody

Catalog Number: 18701-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

18701-1-AP

**Size:**

400 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC068476

**GeneID (NCBI):**

8650

**UNIPROT ID:**

P49757

**Full Name:**

numb homolog (Drosophila)

**Calculated MW:**

71 kDa

**Observed MW:**

66-72 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:5000

IHC 1:50-1:500

## Applications

**Tested Applications:**

FC, IHC, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human

**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 : A431 cells, mouse brain tissue

IHC : mouse brain tissue,

## Background Information

NUMB, also named as S171, plays a role in the determination of cell fates during development. It is a membrane-bound protein that has been shown to associate with EPS15, LNX1, and NOTCH1. The degradation of NUMB is induced in a proteasome-dependent manner by MDM2. Four transcript variants encoding different isoforms have been found for this gene. The antibody can bind to all these four isoforms P65, P66, P71 and P72, can't recognize the NUMBL.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lin-Lin Yin	30405763	Oncol Lett	WB
Rucheng Yan	35278613	Cancer Lett	WB
Huihui Yang	33748116	Front Cell Dev Biol	IHC

## 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:

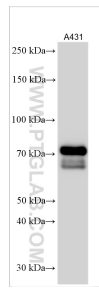
T: 4006900926

E: Proteintech-CN@ptglab.com

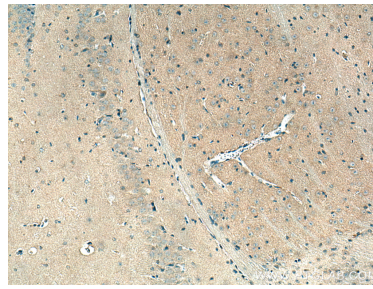
W: ptgcn.com

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

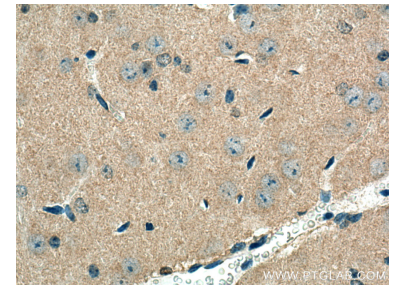
## Selected Validation Data



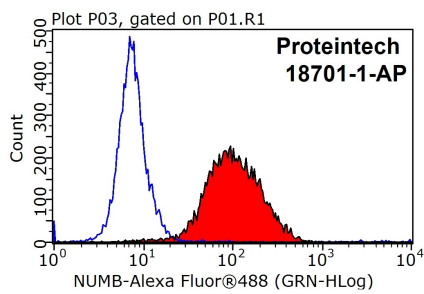
A431 cells were subjected to SDS PAGE followed by western blot with 18701-1-AP (NUMB antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18701-1-AP (NUMB 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 mouse brain tissue slide using 18701-1-AP (NUMB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug NUMB antibody (18701-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.