

For Research Use Only

NUMB Polyclonal antibody

Catalog Number: 18701-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number: 18701-1-AP	GenBank Accession Number: BC068476	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8650	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:50-1:500
Source: Rabbit	Full Name: numb homolog (Drosophila)	
Isotype: IgG	Calculated MW: 71 kDa	
	Observed MW: 66-72 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls: WB : A431 cells, mouse brain tissue
Cited Applications: IHC, WB	IHC : mouse brain tissue,
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	

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

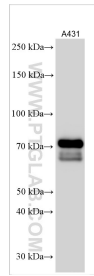
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

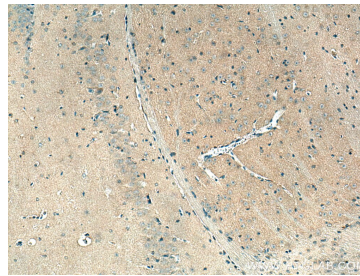
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

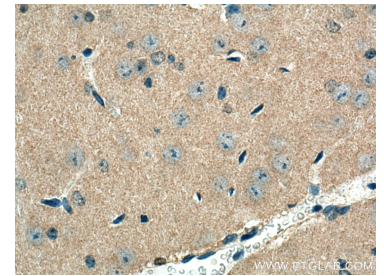
Selected Validation Data



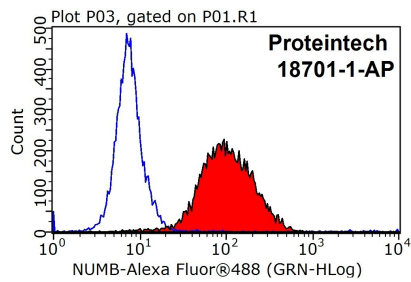
A431 cells were subjected to SDS PAGE followed by western blot with 18701-1-AP (NUMB antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



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).



1X10⁶ 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.