

For Research Use Only

NUMB Recombinant antibody

Catalog Number: 85939-4-RR



Basic Information

Catalog Number:

85939-4-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31553

GenBank Accession Number:

NM_001005743

GeneID (NCBI):

8650

UNIPROT ID:

P49757

Full Name:

numb homolog (Drosophila)

Calculated MW:

71KD

Observed MW:

66-71 kDa

Purification Method:

Protein A purification

CloneNo.:

250417F6

Recommended Dilutions:

WB: 1:5000-1:50000

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

IHC: 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

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: A431 cells, A-204 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue, SKOV-3 cells

IP: HeLa cells,

IHC: human breast cancer 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.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

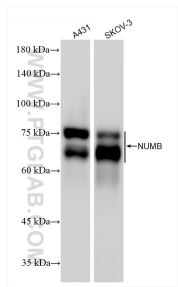
For technical support and original validation data for this product please contact:

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

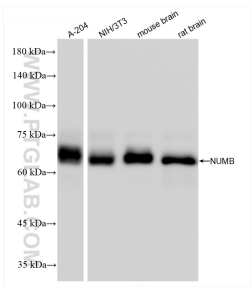
E: proteintech@ptglab.com
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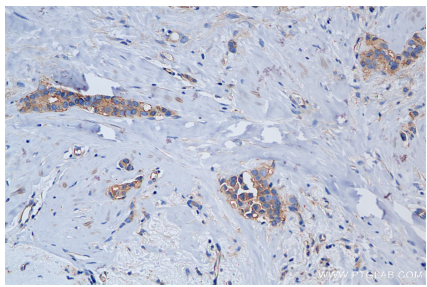
Selected Validation Data



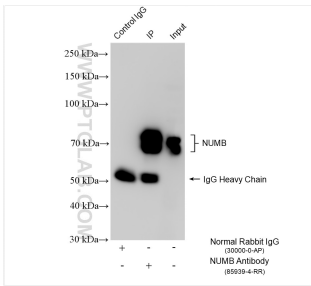
Various lysates were subjected to SDS PAGE followed by western blot with 85939-4-RR (NUMB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



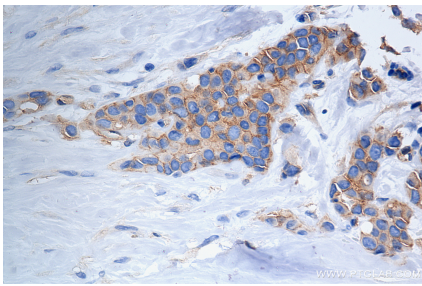
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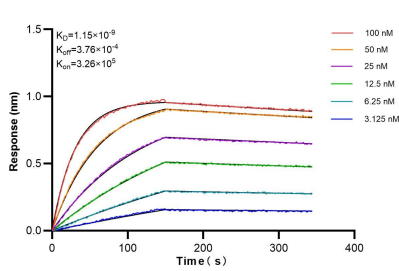
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 85939-4-RR (NUMB antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NUMB (IP:85939-4-RR, 4ug; Detection:85939-4-RR 1:3000) with HeLa cells lysate 1600 ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 85939-4-RR (NUMB antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 85939-4-RR against Human NUMB were performed. The affinity constant is 1.15 nM.