

NUMB Rabbit mAb

Catalog No: #49415

Package Size: #49415-1 50ul #49415-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

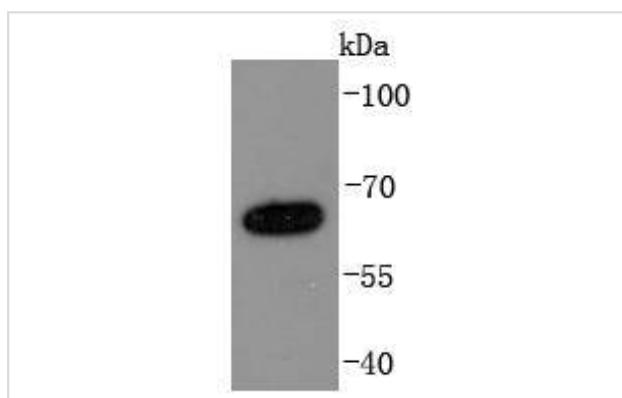
Description

Product Name	NUMB Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-023
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	c14_5527 antibody C14orf41 antibody FLJ31314 antibody h Numb antibody h-Numb antibody Numb antibody Numb homolog (Drosophila) antibody Numb homolog antibody Numb protein homolog antibody NUMB_HUMAN antibody Protein numb homolog antibody Protein S171 antibody S171 antibody
Accession No.	Swiss-Prot#:P49757
Uniprot	P49757
GeneID	8650;
Calculated MW	71 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

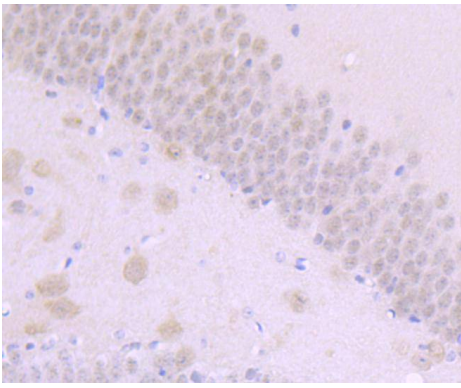
Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:100 ICC: 1:50-1:200

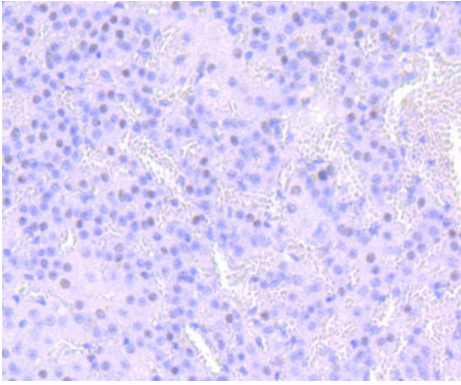
Images



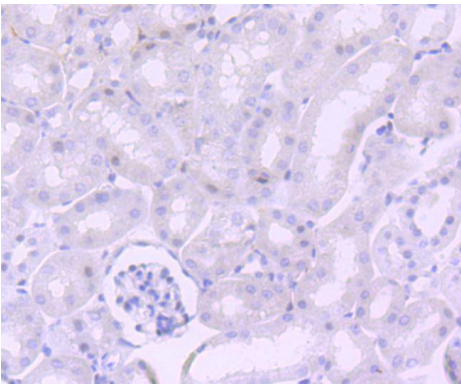
Western blot analysis of NUMB on A431 cells lysates using anti-NUMB antibody at 1/1,000 dilution.



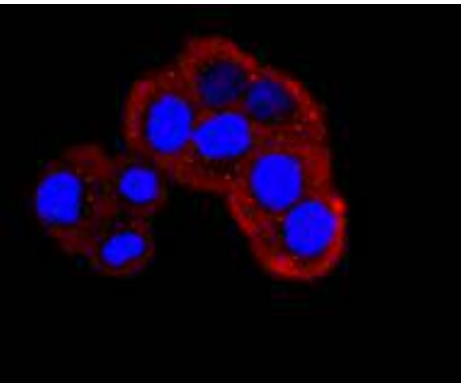
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NUMB antibody. Counter stained with hematoxylin.



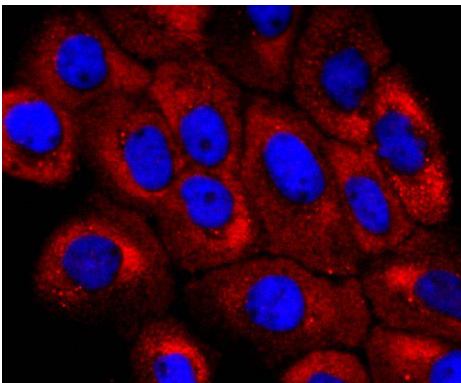
Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue using anti-NUMB antibody. Counter stained with hematoxylin.



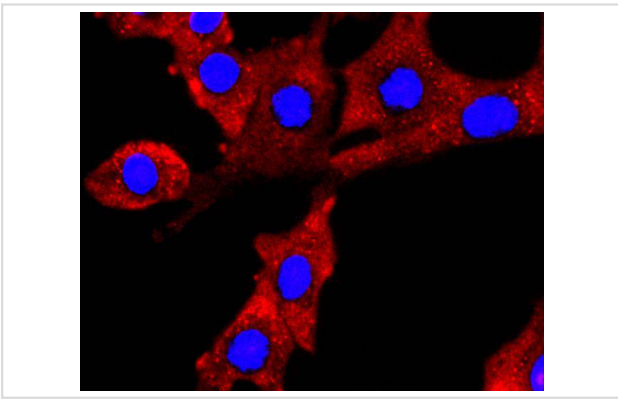
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-NUMB antibody. Counter stained with hematoxylin.



ICC staining NUMB in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NUMB in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NUMB in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Neuronal cell fate decisions are directed in *Drosophila* by NUMB, a signaling adapter protein with two protein-protein interaction domains: a phosphotyrosine-binding domain and a proline-rich SH3-binding region (PRR). Mammalian NUMB homologs play a role in the determination of cell fates during development and bind with EPS15, LNX1, and NOTCH1. Conditional mouse mutants with deletion of NUMB in developing sensory ganglia show a reduction in axonal arborization in afferent fibers. Changes in cellular calcium homeostasis influences NUMB-dependent cell fate decisions during development of the nervous system. Chicken NUMB (c-NUMB) protein is localized to the basal cortex of mitotic neuroepithelial cells.

References

Note: This product is for in vitro research use only