

alpha Internexin Rabbit mAb

Catalog No: #49709

Package Size: #49709-1 50ul #49709-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

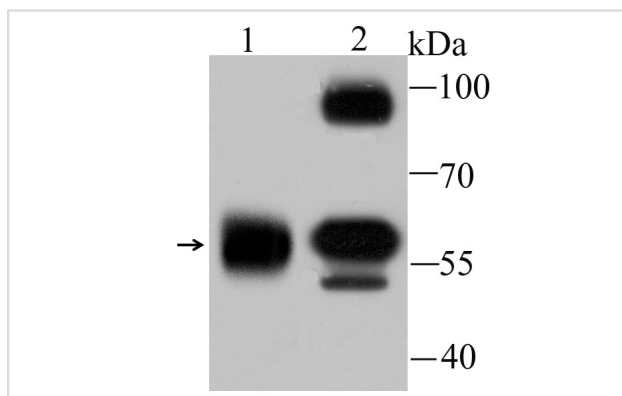
Description

Product Name	alpha Internexin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU25-03
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	66 kDa neurofilament protein antibody AINX_HUMAN antibody Alpha Inx antibody Alpha-internexin antibody Alpha-Inx antibody INA antibody Internexin neuronal intermediate filament protein alpha antibody MGC12702 antibody NEF 5 antibody NEF5 antibody Neurofilament 5 (66kD) antibody Neurofilament 5 antibody Neurofilament 66 antibody Neurofilament 66 tax binding protein antibody Neurofilament-66 antibody NF 66 antibody NF-66 antibody NF66 antibody TXBP 1 antibody TXBP1 antibody
Accession No.	Swiss-Prot#:Q16352
Uniprot	Q16352
GeneID	9118;
Calculated MW	66 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

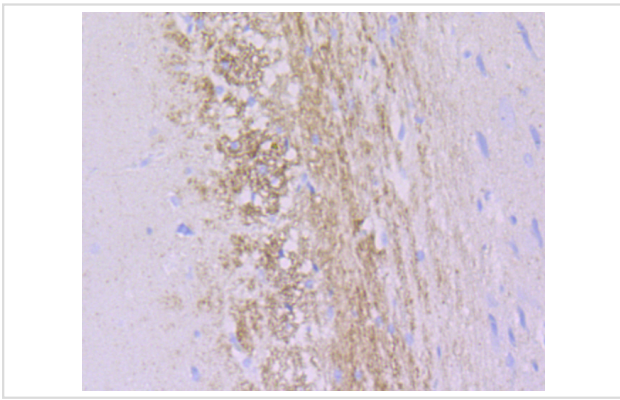
Application Details

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

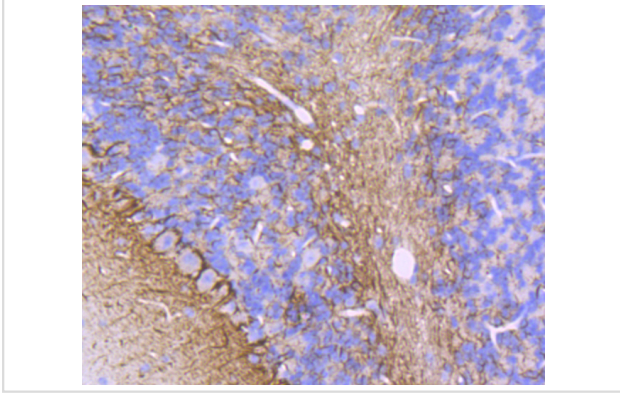
Images



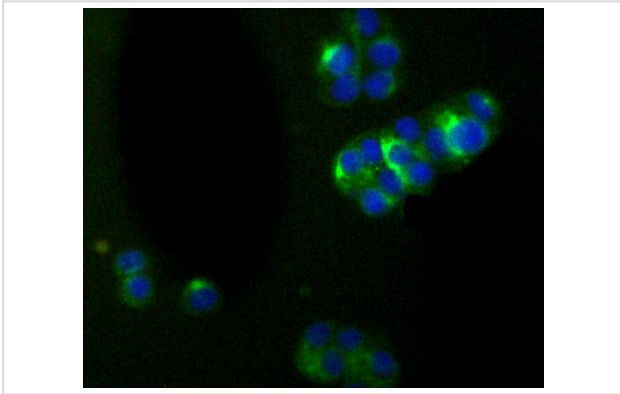
Western blot analysis of alpha Internexin on different lysates using anti-alpha Internexin antibody at 1/1,000 dilution.
Positive control: Lane 1: Mouse brain tissue Lane 2: A549



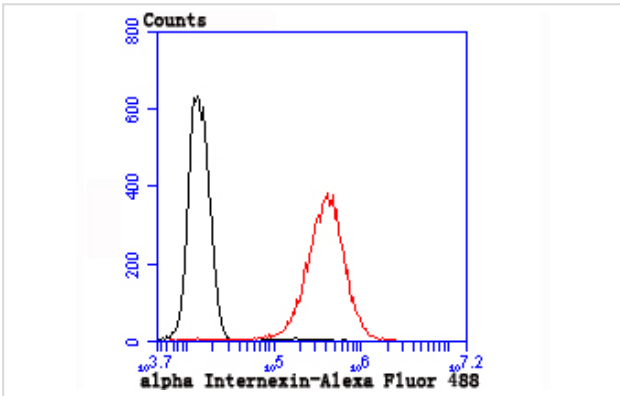
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-alpha Internexin antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-alpha Internexin antibody. Counter stained with hematoxylin.



ICC staining alpha Internexin in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of M2A cells with alpha Internexin antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Alpha-internexin is a brain specific type IV intermediate filament protein. This axonal protein is found in most, if not all, neurons of the CNS. The head domain of alpha-internexin is essential for self-assembly into a filament network. Expression levels of alpha-internexin have been shown to be maximal during late embryogenesis and to decline into adulthood, suggesting that this protein plays a role in regulatory processes during the development of the brain. The alpha-internexin promoter has been shown to be activated by Brn-3a or Brn-3c transcription factor binding, while Brn-3b binding to the promoter results in alpha-internexin repression.

References

Note: This product is for in vitro research use only