

Anti-alpha Internexin Antibody (3U304)

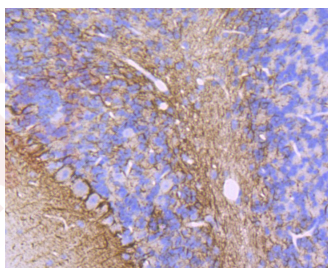
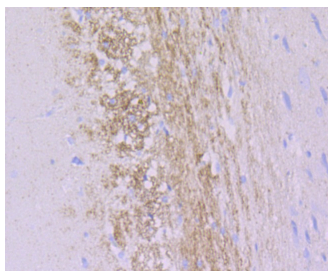
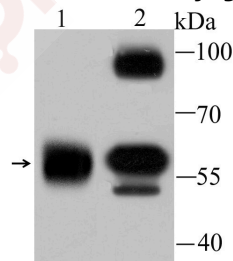
Product Details

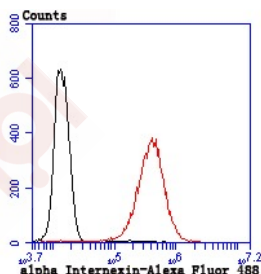
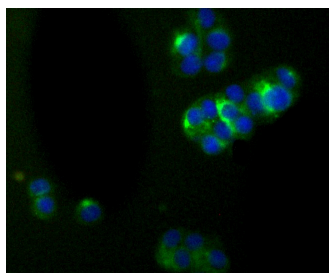
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 66 kDa.
Clone:	3U304
Purification:	ProA affinity purified

Applications

Verified Activity:

1. 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.
2. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-alpha Internexin antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-alpha Internexin antibody. Counter stained with hematoxylin.
4. 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.
5. 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.





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q16352

66 kDa neurofilament protein; NF-66; Neurofilament 66; Neurofilament 66 tax binding protein; NF 66; MGC12702; α Internexin; Alpha Inx; α Internexin; Neurofilament-66; Alpha-internexin; a

Synonyms: Internexin; Neurofilament 5; α Internexin; Alpha-Inx; NEF 5; TXBP1; TXBP 1; Internexin neuronal intermediate filament protein alpha; NF66; AINX_HUMAN; Neurofilament 5 (66kD); NEF5; INA; α Internexin

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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