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INA / Alpha Internexin Antibody (clone 2E3)

Mouse Monoclonal Antibody
Catalog # ALS16820

Specification

INA / Alpha Internexin Antibody (clone 2E3) - Product Information

Application	**IHC, WB**
Primary Accession	Q16352
Other Accession	9118
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**55391**

INA / Alpha Internexin Antibody (clone 2E3) - Additional Information

Gene ID 9118

Other Names
INA, 66 kDa neurofilament protein, Alpha Internexin, Alpha-internexin, Alpha-Inx, NEF5, Neurofilament 5, Neurofilament-66, NF-66, TXBP-1, Neurofilament 5 (66kD)

Target/Specificity
Clone 2E3 reacts with human alpha-internexin and with this protein in all mammalian species tested to date.

Reconstitution & Storage
Tissue culture supernatant. +4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
INA / Alpha Internexin Antibody (clone 2E3) is for research use only and not for use in diagnostic or therapeutic procedures.

INA / Alpha Internexin Antibody (clone 2E3) - Protein Information

Name INA

Synonyms NEF5

Function
Class-IV neuronal intermediate filament that is able to self- assemble. It is involved in the morphogenesis of neurons. It may form an independent structural network without the involvement of other neurofilaments or it may cooperate with NEFL to form the filamentous backbone to which NEFM and NEFH attach to form the cross-bridges. May also cooperate with the neuronal intermediate filament protein PRPH to form filamentous networks (By similarity).

Tissue Location

Found predominantly in adult CNS.

Volume
50 µl

INA / Alpha Internexin Antibody (clone 2E3) - Protocols

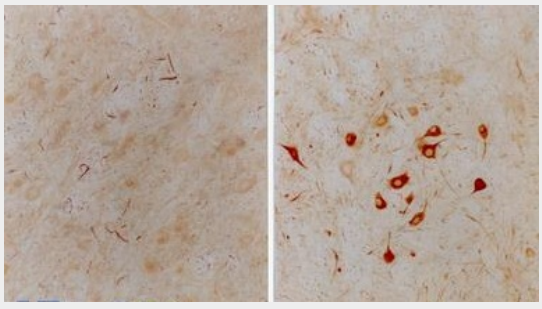
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

INA / Alpha Internexin Antibody (clone 2E3) - Images

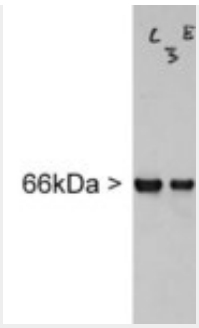


Anti-INA / Alpha Internexin antibody IHC staining of human brain, cerebellum.



Rat facial nucleus before (left) and after (right) facial nerve lesion.

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Blot of homogenate of rat facial nucleus incubated with INA / Alpha Internexin antibody, which...

INA / Alpha Internexin Antibody (clone 2E3) - Background

Class-IV neuronal intermediate filament that is able to self-assemble. It is involved in the morphogenesis of neurons. It may form an independent structural network without the involvement of other neurofilaments or it may cooperate with NF-L to form the filamentous backbone to which NF-M and NF-H attach to form the cross-bridges.

INA / Alpha Internexin Antibody (clone 2E3) - References

Chan S.-O.,et al.Brain Res. Mol. Brain Res. 29:177-184(1995).
Deloukas P.,et al.Nature 429:375-381(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.
Matsuoka S.,et al.Science 316:1160-1166(2007).