10320 Camino Santa Fe, Suite G
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INA Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM1916B

Specification

INA Antibody - Product Information

Application	**IF, WB, IHC-P,E**
Primary Accession	Q16352
Other Accession	P23565, P46660, Q08DH7, NP_116116.1
Reactivity	**Human, Mouse**
Predicted	**Bovine, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Antigen Region	**290-319**

INA Antibody - Additional Information

Gene ID 9118

Other Names
Alpha-internexin, Alpha-Inx, 66 kDa neurofilament protein, NF-66, Neurofilament-66, Neurofilament 5, INA, NEF5

Target/Specificity
This INA antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 290-319 amino acids from human INA.

Dilution
IF~~1:10~50
WB~~1:125
IHC-P~~1:10~50

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
INA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

INA Antibody - 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).

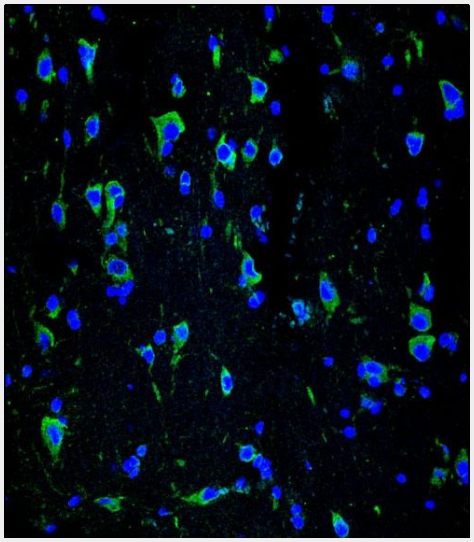
Tissue Location
Found predominantly in adult CNS.

INA Antibody - 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 Antibody - Images



Confocal immunofluorescent analysis of INA Antibody (Cat#AM1916b) with brain tissue followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).

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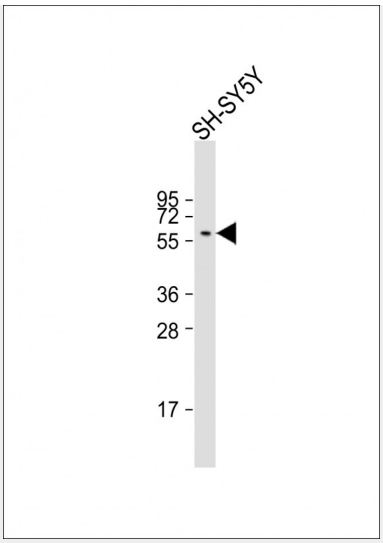
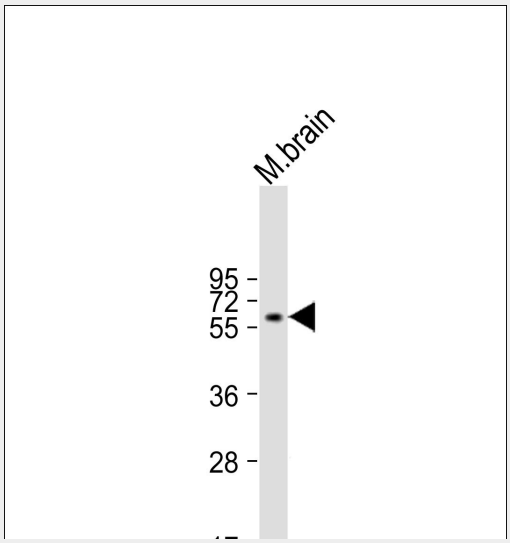


Anti-INA Antibody at 1:1000 dilution + SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



"Anti-INA Antibody at 1:125 dilution + mouse brain lysate Secondary Goat Anti-mouse IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55391 Da Blocking/Dilution buffer: 5% NFDM/TBST."

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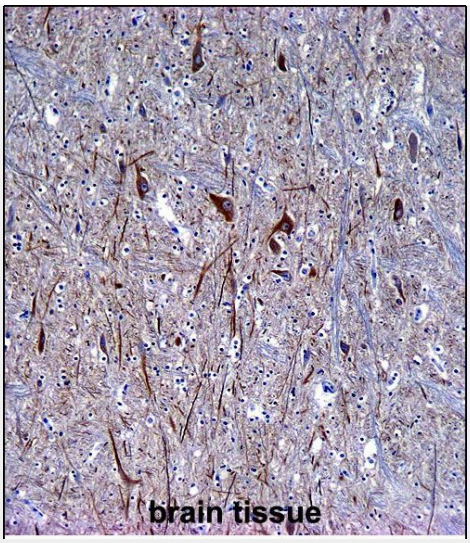

INA Antibody (Cat. #AM1916b)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjµgation of the secondary antibody and DAB staining.This data demonstrates the use of INA Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

INA Antibody - Background

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene is a member of the intermediate filament family and is involved in the morphogenesis of neurons.

INA Antibody - References

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