10320 Camino Santa Fe, Suite G
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INA (alpha internexin) Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6284c

Specification

INA (alpha internexin) Antibody (Center) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q16352
Other Accession	P23565, P46660, Q08DH7
Reactivity	**Human, Mouse, Rat**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**290-319**

INA (alpha internexin) Antibody (Center) - 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 (alpha internexin) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 290-319 amino acids from the Central region of human INA (alpha internexin).

Dilution
IHC-P~~1:10~50
WB~~1:2000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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 (alpha internexin) Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

INA (alpha internexin) Antibody (Center) - Protein Information

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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).

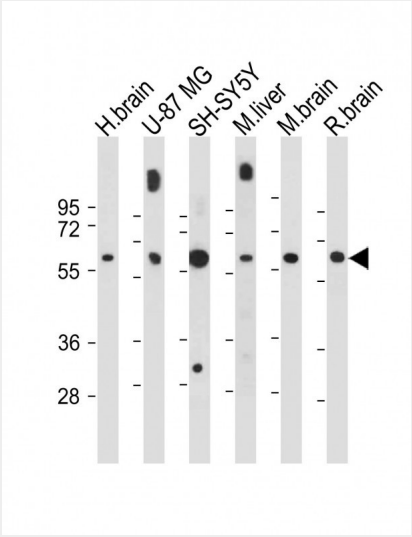
Tissue Location
Found predominantly in adult CNS.

INA (alpha internexin) Antibody (Center) - 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 (Center) - Images



All lanes : Anti-INA Antibody (Center) at 1:1000-2000 dilution Lane 1: Human brain tissue lysate Lane 2: U-87 MG whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lane 4: Mouse liver tissue lysate Lane 5: Mouse brain tissue lysate Lane 6: Rat brain tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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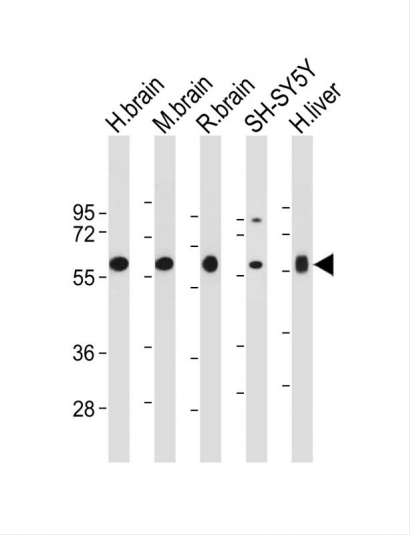
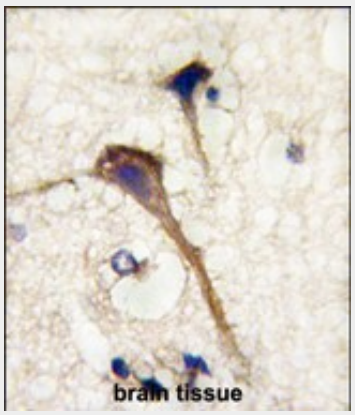


All lanes : Anti-INA Antibody (Center) at 1:2000 dilution Lane 1: Human brain tissue lysate Lane 2: Mouse brain tissue lysate Lane 3: Rat brain tissue lysate Lane 4: SH-SY5Y whole cell lysate Lane 5: Human liver tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human brain tissue reacted with INA antibody (Center) (Cat.#AP6284c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

INA (alpha internexin) Antibody (Center) - Background

INA is a 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 (Center) - References

Armstrong,R.A.,Eur. J. Neurol. 13 (5), 528-532 (2006)
Suzuki,T., Eur. J. Neurosci. 21 (2), 339-350 (2005)
Cairns,N.J., Am. J. Pathol. 164 (6), 2153-2161 (2004)

INA (alpha internexin) Antibody (Center) - Citations

- EGFR Amplification and IDH Mutations in Glioblastoma Patients of the Northeast of Morocco.

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