

**INA (alpha internexin) Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6284c**

**Specification**

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

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q16352</a>
Other Accession	<a href="#">P23565</a> , <a href="#">P46660</a> , <a href="#">Q08DH7</a>
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**

WB~~1:2000  
IHC-P~~1:10~50

**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**

**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

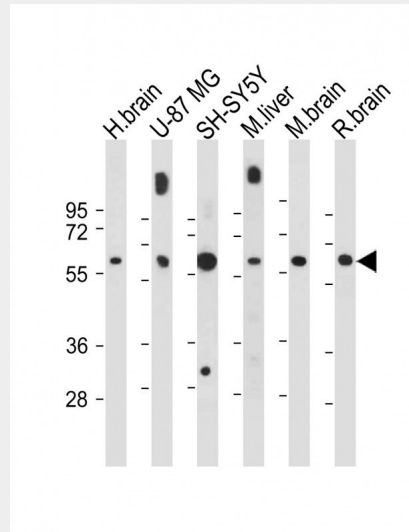
Found predominantly in adult CNS.

## INA (alpha internexin) Antibody (Center) - Protocols

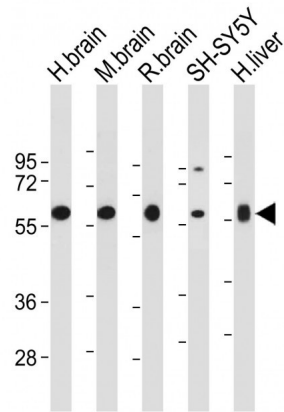
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

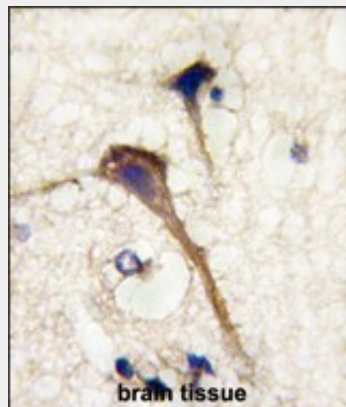
## INA (alpha internexin) Antibody (Center) - Images



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% NFDN/TBST.



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  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



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.](#)

