

Rabbit Internexin Polyclonal Antibody | anti-INA antibody

Anti-Alpha Internexin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46647	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

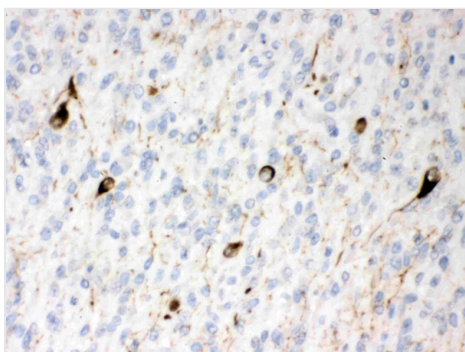
PRODUCT SYNONYMS

Internexin; Polyclonal Antibody; Anti-Alpha Internexin Antibody; Alpha Inx; Alpha-Inx; Alpha-internexin; Alpha internexin; INA; NEF 5; NEF5; Neurofilament 5 (66kD); Neurofilament 5; Neurofilament 66; Neurofilament-66; NF66; NF 66; NF-66; TXBP 1; TXBP1; Q16352; internexin neuronal intermediate filament protein alpha; anti-INA antibody

PRODUCT SPECIFICATIONS

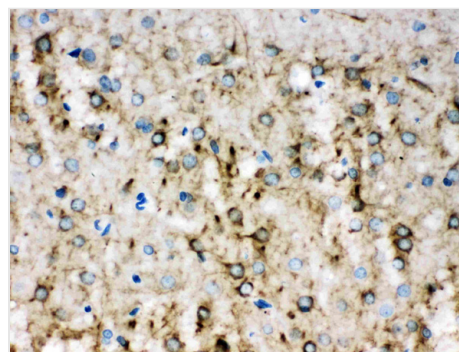
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	499
Applicable Applications for anti-INA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Alpha Internexin recombinant protein (Position: A71-R161). Human Alpha Internexin shares 98.9% amino acid (aa) sequence identity with both mouse and rat Alpha Internexin.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



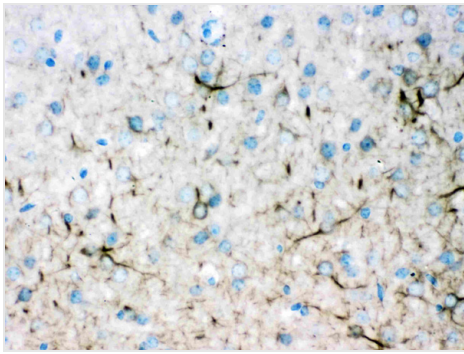
IHC (Immunohistochemistry)

Alpha Internexin was detected in paraffin-embedded sections of human glioma tissues using rabbit anti-Alpha Internexin Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



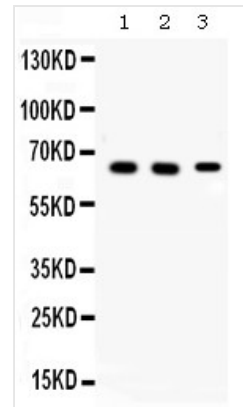
IHC (Immunohistochemistry)

Alpha Internexin was detected in paraffin-embedded sections of rat brain tissues using rabbit anti-Alpha Internexin Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

Alpha Internexin was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Alpha Internexin expression in rat brain extract (lane 1), mouse brain extract (lane 2) and 22RV1 whole cell lysates (lane 3). Alpha Internexin at 66KD was detected using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-INA antibody	Rabbit IgG polyclonal antibody for Alpha-internexin (INA) detection. Background: Alpha-Internexin (INA; also NF-66) is a 66 kDa member of the intermediate filament (IF) protein family. The protein was originally purified from rat optic nerve and spinal cord. And the protein copurifies with other neurofilament subunits, as it was originally discovered, however in some mature neurons it can be the only neurofilament expressed. The protein is present in developing neuroblasts and in the Central Nervous System of adults. Meanwhile, the protein is a major component of the intermediate filament network in small interneurons and cerebellar granule cells, where it is present in the parallel fibers.
References	1. Chan, S.-O., Chiu, F.-C. Cloning and developmental expression of human 66 kd neurofilament protein. Molec. Brain Res. 29: 177-184, 1995. 2. Levavasseur F, Zhu Q, and JP Julien. No requirement of alpha-internexin for nervous system development and for radial growth of axons. Molecular Brain Research. 69:104-112. (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	14249342
NCBI GeneID	9118
NCBI Accession #	NP_116116.1
NCBI GenBank Nucleotide #	NM_032727.3
UniProt Accession #	Q16352 ; Q9BRC5 ; B1AQK0
Molecular Weight	55,391 Da
NCBI Official Full Name	alpha-internexin
NCBI Official Synonym Full Names	internexin neuronal intermediate filament protein alpha
NCBI Official Symbol	INA
NCBI Official Synonym Symbols	NEF5; NF-66; TXBP-1
NCBI Protein Information	alpha-internexin
UniProt Protein Name	Alpha-internexin
UniProt Gene Name	INA
UniProt Synonym Gene Names	NEF5; Alpha-Inx; NF-66; Neurofilament-66
UniProt Entry Name	AINX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/internexin-antibody-immunohistochemistry-western-blot-elisa/46647>