10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Alpha Internexin Picoband Antibody

Catalog # ABO11621

Specification

Anti-Alpha Internexin Picoband Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q16352
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Alpha-internexin(INA) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Alpha Internexin Picoband Antibody - Additional Information

Gene ID 9118

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

Calculated MW
55391 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Tissue Specificity
Found predominantly in adult CNS.

Protein Name
Alpha-internexin

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-Alpha Internexin Picoband 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.

Anti-Alpha Internexin Picoband 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

Anti-Alpha Internexin Picoband Antibody - Images

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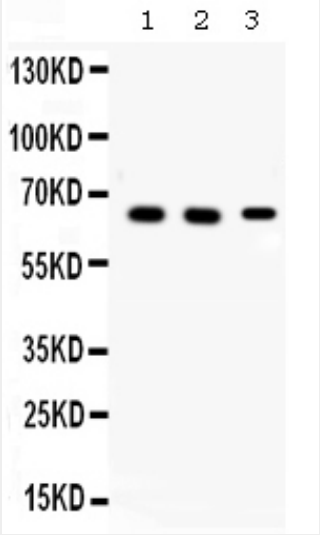
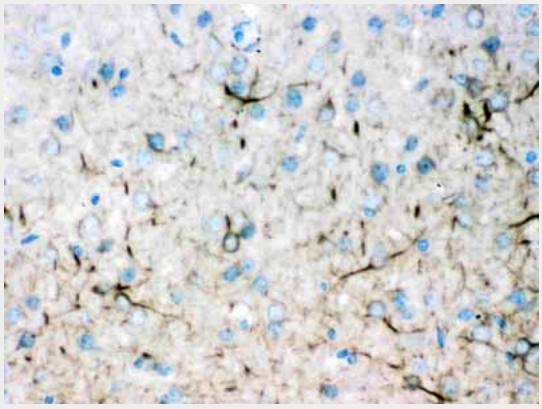
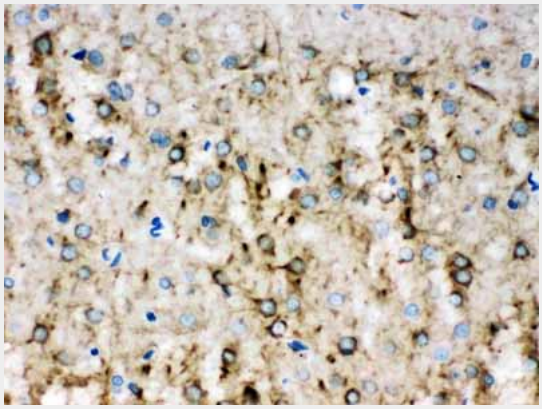


Western blot analysis of Alpha Internexin expression in rat brain extract (lane 1), mouse brain extract (lane 2) and 22RV1 whole cell lysates (lane 3). Alpha Internexin at 66KD was detected using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog # ABO11621) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .



Alpha Internexin was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog # ABO11621) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .



Alpha Internexin was detected in paraffin-embedded sections of rat brain tissues using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog # ABO11621) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

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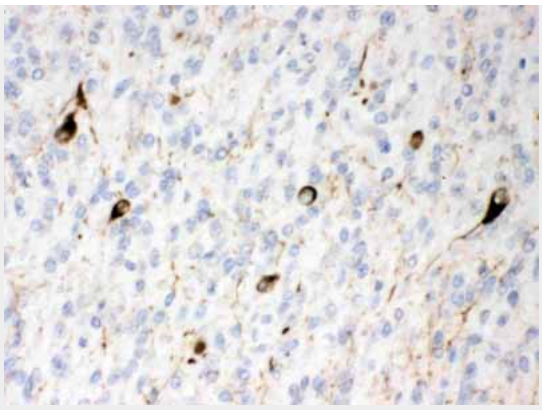

Alpha Internexin was detected in paraffin-embedded sections of human glioma tissues using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog # ABO11621) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-Alpha Internexin Picoband Antibody - 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.