

Anti-Alpha Internexin Picoband Antibody

Catalog # ABO11621

Product Information

Application	WB, IHC-P
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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Tissue Specificity	Found predominantly in adult CNS.
Source	Eukaryota
Protein Name	Alpha-internexin
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.

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.

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.

Images

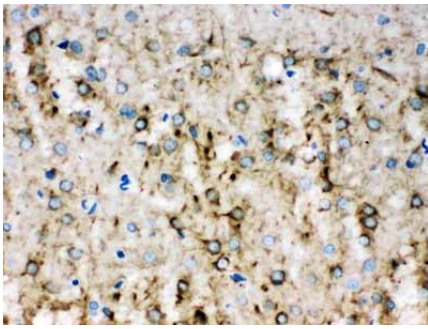


Western blot analysis of Alpha Internexin expression in rat brain extract (lane 1), mouse brain extract (lane 2) and 22RV1 whole cell lysates (lane 3). Alpha Internexin at 66KD was detected using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog # ABO11621) at 0.5 µg/mL.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

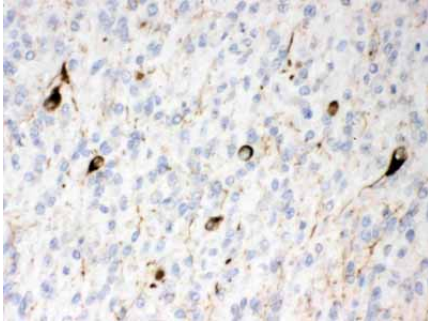


Alpha Internexin was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog # ABO11621) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

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 µg/mL. The



immunohistochemical section was developed using SABC method .



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 μ g/mL. The immunohistochemical section was developed using SABC method .

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