Datasheet for ABIN4886634

anti-INA antibody (AA 71-161)

4 Images

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Overview

Quantity:	100 µg
Target:	INA
Binding Specificity:	AA 71-161
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Alpha-internexin(INA) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Alpha-internexin(INA) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: internexin neuronal intermediate filament protein alpha Protein Name: Alpha-internexin
Purification:	Immunogen affinity purified.

Target Details

Target:	INA
Alternative Name:	INA (INA Products)
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. Synonyms: 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
Gene ID:	9118
UniProt:	Q16352

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

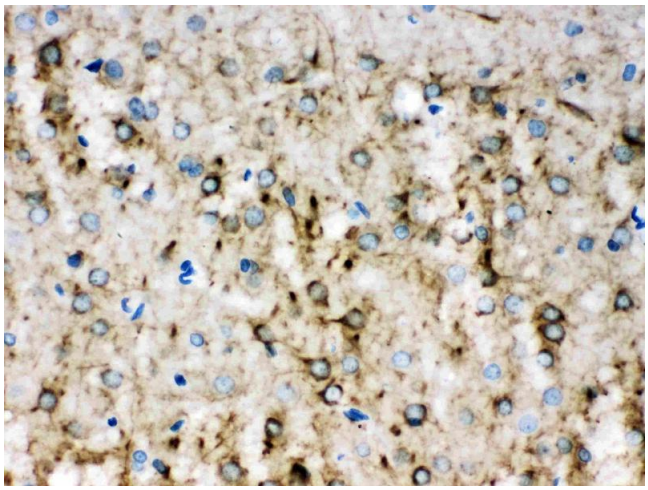
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.

Handling

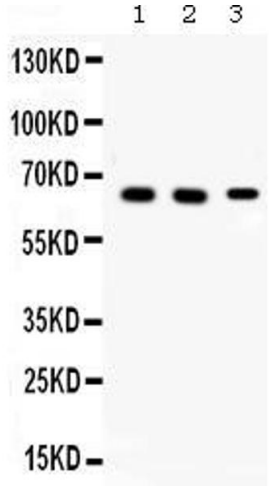
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, 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.

Images



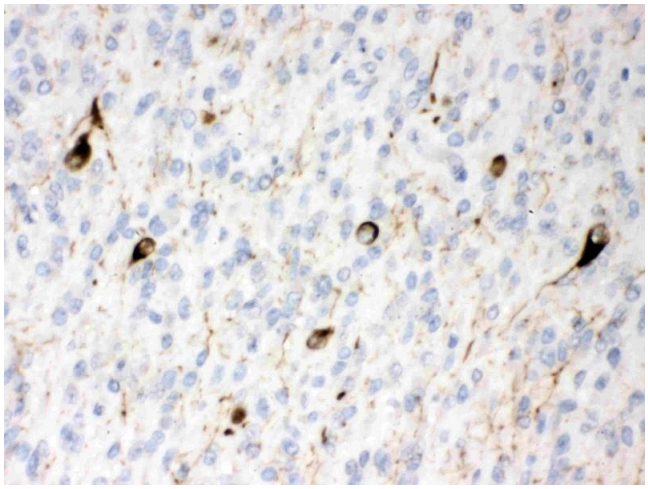
Immunohistochemistry

Image 1. Alpha Internexin was detected in paraffin-embedded sections of rat brain tissues using rabbit anti-Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 2. 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 #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



Immunohistochemistry

Image 3. Alpha Internexin was detected in paraffin-embedded sections of human glioma tissues using rabbit anti- Alpha Internexin Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the product details page for more images. Overall 4 images are available for ABIN4886634.