

Rabbit INA Polyclonal Antibody | anti-INA antibody

INA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326914	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

INA; Polyclonal Antibody; INA Antibody; 66 kDa neurofilament protein; AINX_HUMAN; Alpha Inx; Alpha-internexin; Alpha-Inx; Internexin neuronal intermediate filament protein alpha; MGC12702; NEF 5; NEF5; Neurofilament 5 (66kD); Neurofilament 5; Neurofilament 66; Neurofilament 66 tax binding protein; Neurofilament-66; NF 66; NF-66; NF66; TXBP 1; TXBP1; anti-INA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	INA antibody detects endogenous levels of total INA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	499
Applicable Applications for anti-INA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human INA
Tissue Specificity	Found predominantly in adult CNS.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326914 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of INA expression in Mouse brain lysate



WB (Western Blot)

Western blot analysis of extracts of mouse brain, using INA antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326914 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-INA antibody

Description: Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene is a member of the intermediate filament family and is involved in the morphogenesis of neurons.

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 NF-L to form the filamentous backbone to which NF-M and NF-H attach to form the cross-bridges.

Post-translational Modifications: O-glycosylated.

Similarity: Belongs to the intermediate filament family.

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	Observed: 55 kDa Predicted: 56 kDa
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

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/ina-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326914>