

Mouse INA Monoclonal Antibody | anti-INA antibody

INA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283452	Mouse	Mouse (Predicted Reactivity: Bovine, Rat)	Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

INA; Monoclonal Antibody; INA Antibody; Alpha-internexin; Alpha-Inx; 66 kDa neurofilament protein; NF-66; Neurofilament-66; Neurofilament 5; NEF5; anti-INA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	257CT7.1.2
Specificity	This INA antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 290-319 amino acids from human INA.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	290-319
Sequence Length	499
Applicable Applications for anti-INA antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

INA Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of INA Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of INA Antibody with brain tissue followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

INA Antibody western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the INA antibody detected the INA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-INA antibody	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.
Product Categories/Family for anti-INA antibody	Neuroscience; Signal Transduction
References	Leermakers, F.A., et al. Eur. Biophys. J. 39(9):1323-1334(2010) Martins-de-Souza, D., et al. J Psychiatr Res 43(11):978-986(2009) Ducray, F., et al. Neurology 72(2):156-161(2009) Willoughby, V., et al. Appl. Immunohistochem. Mol. Morphol. 16(4):344-348(2008) Matsuoka, S., et al. Science 316(5828):1160-1166(2007)

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	55391
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.