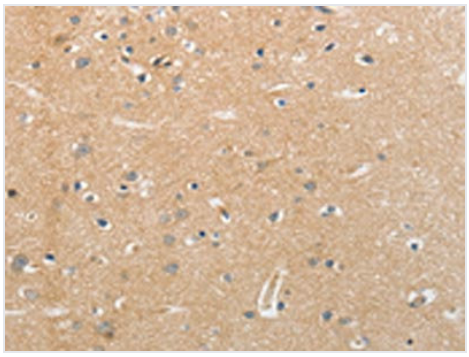
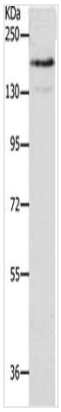
NFASC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NFASC, Polyclonal Antibody
Full Product Name	NFASC Antibody
Product Gene Name	anti-NFASC antibody
Product Synonym Names	Neurofascin
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	1240
OMIM	609145
3D Structure	ModBase 3D Structure for O94856
Immunogen	Synthetic peptide of human NFASC
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-NFASC antibody	Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NFASC antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-NFASC antibody	ELISA: 1:1000-1:2000 WB: 1:200-1:1000 IHC: 1:25-1:100
Related Product Information for anti-NFASC antibody	MBS7127575 is an antibody targeting NFASC. Also known as NFASC Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-NFASC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-NFASC antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7127575(NFASC Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)



SDS-Page of anti-NFASC antibody
Gel: 10%SDS-PAGE, Lysate: 40 ug, Lane: A549 cells, Primary antibody: MBS7127575(NFASC Antibody) at dilution 1/400, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NFASC. It may not necessarily be applicable to this product.

NCBI GI #	83304988
NCBI GeneID	23114
NCBI Accession #	O94856.4
UniProt Primary Accession #	O94856
UniProt Secondary Accession #	Q149P5; Q5T2F0; Q5T2F1; Q5T2F2; Q5T2F3; Q5T2F4; B2RNN8; B3KQZ1; B5MDP6; B5MDR6; B7ZMD8
UniProt Related Accession #	O94856
NCBI Official Full Name	Neurofascin
NCBI Official Synonym Full Names	neurofascin
NCBI Official Symbol	NFASC
NCBI Official Synonym Symbols	NF; NRCAML
UniProt Protein Name	Neurofascin
Protein Family	Neurofascin
UniProt Gene Name	NFASC
UniProt Synonym Gene Names	KIAA0756
UniProt Entry Name	NFASC_HUMAN
NCBI Protein Information	neurofascin; neurofascin homolog
NCBI Summary for NFASC	This gene encodes an L1 family immunoglobulin cell adhesion molecule with multiple IGcam and fibronectin domains. The protein functions in neurite outgrowth, neurite fasciculation, and organization of the axon initial segment (AIS) and nodes of Ranvier on axons during early development. Both the AIS and nodes of Ranvier contain high densities of voltage-gated Na+ (Nav) channels which are clustered by interactions with cytoskeletal and scaffolding proteins including this protein, gliomedin, ankyrin 3 (ankyrin-G), and betaIV spectrin. This protein links the AIS extracellular matrix to the intracellular cytoskeleton. This gene undergoes extensive alternative splicing, and the full-length nature of some variants has not been determined.[provided by RefSeq, May 2009]

UniProt Comments for NFASC	neurofascin: Cell adhesion, ankyrin-binding protein which may be involved in neurite extension, axonal guidance, synaptogenesis, myelination and neuron-glial cell interactions. Belongs to the immunoglobulin superfamily. L1/neurofascin/NgCAM family. 13 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 1q32.1 Cellular Component: focal adhesion; paranode region of axon; integral to membrane; plasma membrane; intracellular Molecular Function: protein binding Biological Process: myelination; heterotypic cell-cell adhesion; axon guidance; clustering of voltage-gated sodium channels; synapse organization and biogenesis; transmission of nerve impulse; peripheral nervous system development; paranodal junction assembly
Research Articles on NFASC	**1.** Autoantibodies to NF155 identify a inflammatory demyelinating polyradiculoneuropathy subtype characterized by severe neuropathy, poor response to intravenous immunoglobulin, and disabling tremor.
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