

Product datasheet for **TA592845S**

Neurofascin (NFASC) Rabbit Monoclonal Antibody [Clone ID: OTIR8E12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIR8E12
Applications:	WB
Recommended Dilution:	WB 1:5000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment of human Nfasc155 (NP_001153804) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Predicted Protein Size:	132.11 kDa
Gene Name:	neurofascin
Database Link:	NP_001153804 Entrez Gene 23114 Human O94856



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Background:

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]

Synonyms:

NEDCPMD; NF; NRCAML

Protein Families:

Transmembrane

Protein Pathways:

Cell adhesion molecules (CAMs)