

NF-H recombinant antibody

Rabbit anti-NF-H Recombinant Monoclonal Antibody [BLR189J]

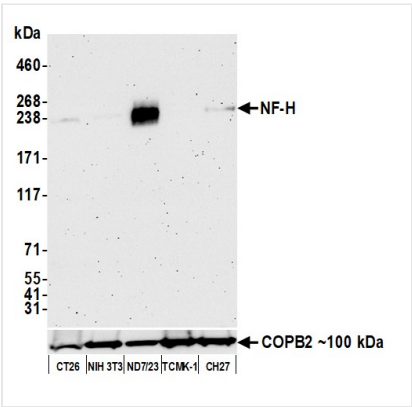
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23859	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunocytochemistry

PRODUCT SYNONYMS

NF-H; Monoclonal Recombinant Antibody; Rabbit anti-NF-H Recombinant Monoclonal Antibody [BLR189J]; 200 kDa neurofilament protein; CMT2CC; neurofilament heavy polypeptide; neurofilament triplet H protein; neurofilament; heavy polypeptide 200kDa; NFH; Neurofilament heavy polypeptide; neurofilament heavy; NF-H recombinant antibody

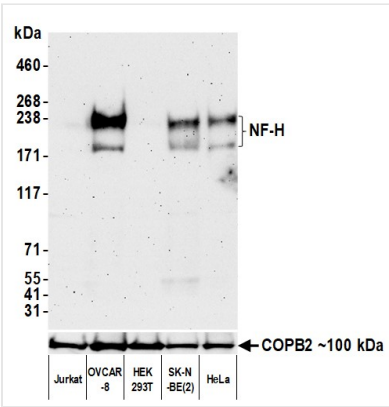
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR189J
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	50ug/ml (varies by lot)
Applicable Applications for NF-H recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Application Notes	WB: 1:1000 IP: 20 ul/mg lysate IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
Immunogen	Between 275 and 325
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



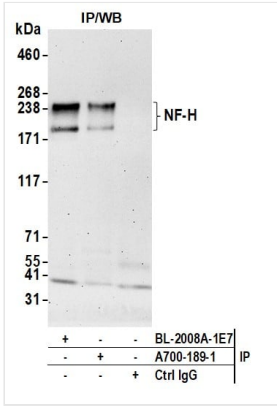
WB (Western Blot)

Detection of mouse NF-H by western blot. Samples: Whole cell lysate (50 ug) from CT26, NIH 3T3, ND7/23, TCMK-1 (10 ug), and CH27 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-NF-H recombinant monoclonal antibody (AAA23859 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-COPB2 antibody .



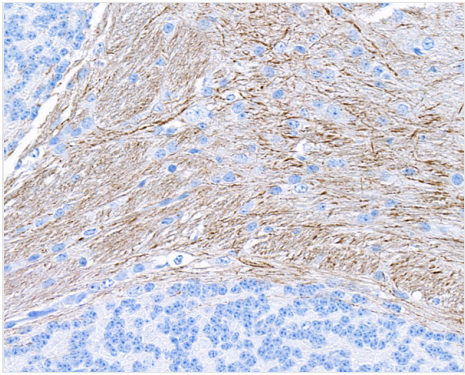
WB (Western Blot)

Detection of human NF-H by western blot. Samples: Whole cell lysate (50 ug) from Jurkat, OVCAR-8, HEK293T, SK-N-BE(2), and HeLa cells prepared using NETN lysis buffer. Antibody: Rabbit anti-NF-H recombinant monoclonal antibody (AAA23859 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-COPB2 antibody .



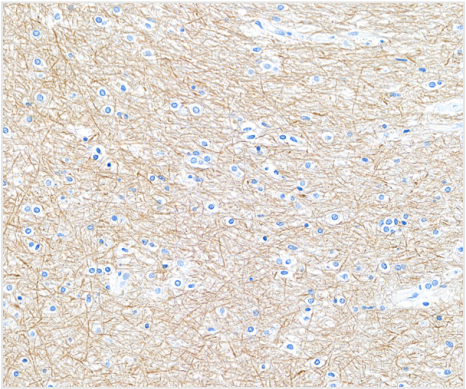
IP (Immunoprecipitation)

Detection of human NF-H by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from OVCAR-8 cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-NF-H recombinant monoclonal antibody (AAA23859 lot 1) used for IP at 20 ul/mg lysate. NF-H was also immunoprecipitated by a second antibody against a different epitope (BL-2008A-1E7). For blotting immunoprecipitated NF-H, AAA23859 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 75 seconds.



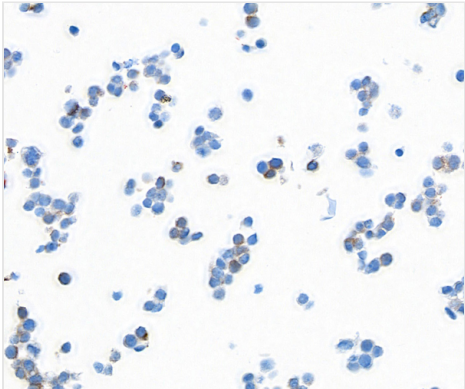
IHC (Immunohistochemistry)

Detection of mouse NF-H in mouse cerebellum by IHC. Antibody: Rabbit anti-NF-H recombinant monoclonal antibody (AAA23859 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB



IHC (Immunohistochemistry)

Detection of human NF-H in brain by IHC. Antibody: Rabbit anti-NF-H recombinant monoclonal antibody (AAA23859 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB



ICC (Immunocytochemistry)

Detection of human NF-H in SK-N-BE(2) cells by ICC. Antibody: Rabbit anti-NF-H recombinant monoclonal antibody (AAA23859 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB

ADDITIONAL INFORMATION

Related Product Information for NF-H recombinant antibody	Neurofilaments are type IV intermediate filament heteropolymers composed of light (L), medium (M), and heavy (H) chains. Neurofilaments are a component of the axon cytoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. NF-H is commonly used as a biomarker of neuronal damage [taken from NCBI Entrez Gene (Gene ID: 4744)].
Product Categories/Family for NF-H recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	32483416
NCBI GeneID	4744
NCBI Accession #	NP_066554.2
NCBI GenBank Nucleotide #	NM_021076.3
UniProt Accession #	P12036; Q96HF8; Q9UJS7; Q9UQ14; B4DYY4
Molecular Weight	112,479 Da
NCBI Official Full Name	neurofilament heavy polypeptide
NCBI Official Synonym Full Names	neurofilament, heavy polypeptide
NCBI Official Symbol	NEFH
NCBI Official Synonym Symbols	NFH
NCBI Protein Information	neurofilament heavy polypeptide; NF-H; 200 kDa neurofilament protein; neurofilament triplet H protein; neurofilament, heavy polypeptide 200kDa
UniProt Protein Name	Neurofilament heavy polypeptide
UniProt Gene Name	NEFH
UniProt Synonym Gene Names	KIAA0845; NFH; NF-H
UniProt Entry Name	NFH_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/nf-h-recombinant-antibody-clone-blr189j-western-blot-immunoprecipitation-immunohistochemistry-immunocytochemistry-elisa/23859>