

anti-Human, Mouse Nerve growth factor Antibody | anti-NGF antibody

Anti-Nerve growth factor [mab 911]

CATALOG # AAA72419	REACTIVITY Human, Mouse	APPLICATIONS ELISA
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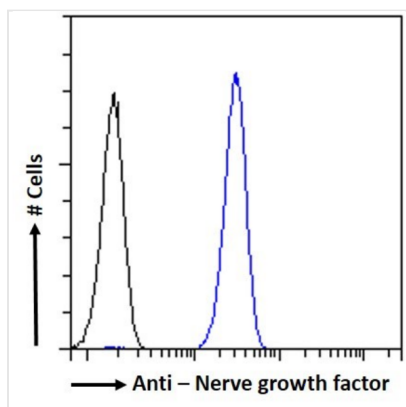
PRODUCT SYNONYMS

Nerve growth factor; Anti-Nerve growth factor [mab 911]; Beta-nerve growth factor; Beta-NGF; anti-NGF antibody

PRODUCT SPECIFICATIONS

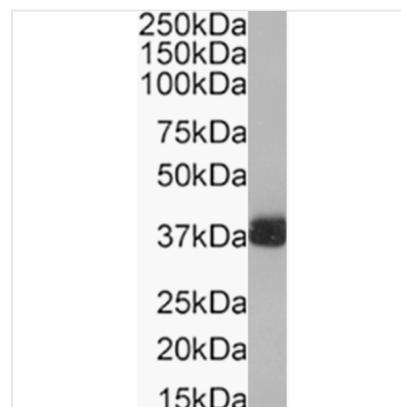
Reactivity	Human, Mouse
Isotype	Rabbit IgG kappa
Clone Number	mab 911
Specificity	The antibody is specific for NGF. The NGF epitope is composed of beta-strand segments from both NGF monomers. NGF is involved primarily in the growth, as well as the maintenance, proliferation, and survival of nerve cells (neurons).
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NGF antibody	IA (Inhibition Assay), Blocking, ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of NIH3T3 cells with anti-Nerve growth factor antibody mab 911. Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton, on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of mab 911 (AAA72419) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72419, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody (isotype control, black line) or the rabbit IgG version of mab 911 (AAA72419, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow-cytometer.



WB (Western Blot)

Western blot using anti-Nerve growth factor antibody mab 911. Human brain cerebellum tissue lysate (35ug protein in RIPA buffer) was resolved on an SDS-PAGE gel, and blots were probed with the monoclonal antibody mab 911 (AAA72419) at 1ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1 hour was used, and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-NGF antibody	The original paper describes the generation and characterization of a panel of monoclonal antibodies. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-NGF antibody	Chronic pain; NGF-related disorders; Osteoarthritis; OA; Auto-immune arthritis
References	Hongo et al. Hybridoma. 2000 Jun;19(3):215-27.

NCBI AND UNIPROT INFORMATION

NCBI GI #	90110037
NCBI GeneID	4803
UniProt Accession #	P01138; Q6FHA0; Q96P60; Q9P2Q8; Q9UKL8; A1A4E5
Molecular Weight	Calculate MW: 26 kDa Observed MW: 17kDa/27kDa
NCBI Official Full Name	Beta-nerve growth factor
NCBI Official Synonym Full Names	nerve growth factor (beta polypeptide)
NCBI Official Symbol	NGF
NCBI Official Synonym Symbols	NGFB; HSAN5; Beta-NGF
NCBI Protein Information	beta-nerve growth factor; nerve growth factor, beta subunit
UniProt Protein Name	Beta-nerve growth factor
UniProt Gene Name	NGF
UniProt Synonym Gene Names	NGFB; Beta-NGF
UniProt Entry Name	NGF_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.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/nerve-growth-factor/72419>