

DATASHEET

pro-NGF beta Rabbit Monoclonal Antibody(C942)

CAT. NO. AMA00554

KEY FEATURES

Target	pro-NGF beta	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems . Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades to regulate neuronal proliferation, differentiation and survival (Probable) . The immature NGF precursor (proNGF) functions as a ligand for the heterodimeric receptor formed by SORCS2 and NGFR, and activates cellular signaling cascades that lead to inactivation of RAC1 and/or RAC2, reorganization of the actin cytoskeleton and neuronal growth cone collapse. In contrast to mature NGF, the precursor form (proNGF) promotes neuronal apoptosis (in vitro) . Inhibits metalloproteinase-dependent proteolysis of platelet glycoprotein VI .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

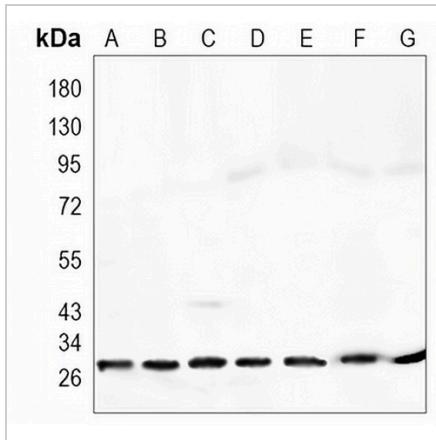
Description	Recombinant rabbit monoclonal antibody to pro-NGF beta
Specificity	Recognizes endogenous levels of pro-NGF beta protein
Antibody Type	Primary antibody, Recombinant
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human pro-NGF beta. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 26 kD; Observed: 27 kD
Form/Buffer	Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Alternative Names	NGFB; Beta-nerve growth factor; Beta-NGF
Gene Symbol	NGF
Entrez Gene	4803(Human); 18049(Mouse); 310738(Rat)
SwissProt	P01138(Human); P01139(Mouse); P25427(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of pro-NGF beta expression in H1792 (A), PC3 (B), Myla2059 (C), mouse kidney (D), mouse muscle (E), rat kidney (F), rat muscle (G) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 27 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.