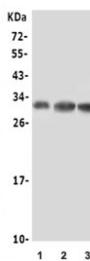


Beta NGF Antibody / NGF (RQ5951)

Catalog No.	Formulation	Size
RQ5951	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P01138
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Beta NGF antibody is available for research use only.



Western blot testing of human 1) U-87 MG, 2) 22RV1 and 3) A549 lysate with Beta NGF antibody. Predicted molecular weight ~27 kDa (dimer).

Description

Nerve growth factor (NGF) is a neurotrophic factor and neuropeptide primarily involved in the regulation of growth, maintenance, proliferation, and survival of certain target neurons. It is mapped to 1p13.2. This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis.

Application Notes

Optimal dilution of the NGF antibody should be determined by the researcher.

Immunogen

Amino acids THTFVKALTMDGKQAAWRFIRID from the human protein were used as the immunogen for the Beta NGF antibody.

Storage

After reconstitution, the Beta NGF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.