

Beta-nerve growth factor Antibody / NGF (F54948)

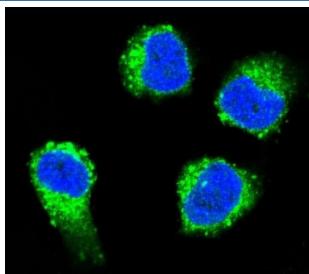
Catalog No.	Formulation	Size
F54948-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54948-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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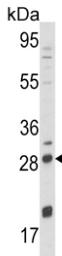
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P01138
Localization	Cytoplasmic, secreted
Applications	Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:10-1:50 Western Blot : 1:500-1:1000
Limitations	This Beta-nerve growth factor antibody is available for research use only.



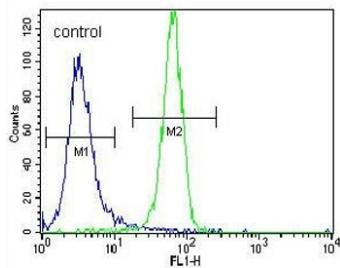
IHC testing of FFPE human brain tissue with Beta-nerve growth factor antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human MDA-MB-231 cells with Beta-nerve growth factor antibody (green) and DAPI nuclear stain (blue).



Western blot testing of human NCI-H460 cell lysate with Beta-nerve growth factor antibody. Predicted molecular weight ~27 kDa.



Flow cytometry testing of human NCI-H460 cells with Beta-nerve growth factor antibody; Blue=isotype control, Green= Beta-nerve growth factor antibody.

Description

NGFB is a member of the NGF-beta family. It is 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 the gene encoding NGFB have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of the gene's expression is associated with allergic rhinitis.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Beta-nerve growth factor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 84-115 from the human protein was used as the immunogen for the Beta-nerve growth factor antibody.

Storage

Aliquot the Beta-nerve growth factor antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

