

Anti-Nerve growth factor (beta) [Ig 30] Bulk Size Ab00936-7.4-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Rat IgG2a, [Fc Silent™](#), Kappa

Clone Number: Ig 30

Alternative Name(s) of Target: β nerve growth factor; beta nerve growth factor; IgG 30; b-NGF

UniProt Accession Number of Target Protein:

Published Application(s): WB, Block, ELISA, IHC

Published Species Reactivity: Rat, Mouse

Immunogen: This antibody was raised by immunising rats with polymerised β -NGF.

Specificity: This antibody recognises murine and rat β -NGF. It does not cross-react with BSA, aprotinin, EGF and insulin.

Application Notes: This antibody specifically recognises native β -NGF in ELISA experiments, and denatured β -NGF in Western blotting (Kenigsberg et al, 1991). It has also been used to detect NGF immunoreactive sites in formaldehyde-fixed tissue (Kenigsberg et al, 1991). This antibody has been shown to block the biological activity associated with NGF, including the outgrowth of NGF-induced processes from rat pheochromocytoma cells, and the increase in choline acetyltransferase activity triggered by NGF (Kenigsberg et al, 1991).

Antibody First Published in: Kenigsberg et al. Two distinct monoclonal antibodies raised against mouse beta nerve growth factor. Generation of bi-specific anti-nerve growth factor anti-horseradish peroxidase antibodies for use in a homogeneous enzyme immunoassay. *J Immunol Methods*. 1991 Feb 15;136(2):247-57. [PMID:1999653](#)

Note on publication: Describes the original generation of this antibody, and its characterisation in ELISA, WB and IHC experiments.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg /ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.