



# Rabbit Anti-Human NGF monoclonal antibody, clone SC75 (CABT-ZB733)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human NGF
<b>Target</b>	NGF
<b>Immunogen</b>	Recombinant Human NGF/NGFB/beta-NGF Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	SC75
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB733 - CABT-ZB1052 This antibody will detect NGF in antibody pair set. [ABPR-ZB313]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Human NGF / NGFB / beta-NGF.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL

<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Nerve growth factor (NGF) is important for the development and maintenance of the sympathetic and sensory nervous systems. NGF protein was identified as a large complex consisting of three non-covalently linked subunits, $\alpha$ , $\beta$ , and $\gamma$ , among which, the $\beta$ subunit, called $\beta$ -NGF (beta-NGF), was demonstrated to exhibit the growth-stimulating activity of NGF protein. NGFB/beta-NGF gene is a member of the NGF-beta family and encodes a secreted protein that homodimerizes and is incorporated into a larger complex. NGF protein acts via at least two receptors on the surface of cells (TrkA and p75 receptors) to regulate neuronal survival, promote neurite outgrowth, and up-regulate certain neuronal functions such as mediation of pain and inflammation. Also, previous studies indicated that NGF may also have an important role in the regulation of the immune system.
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<b>Keywords</b>	NGF; Beta-NGF; HSN5; NGFB
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## GENE INFORMATION

<b>Synonyms</b>	NGF; Beta-NGF; HSN5; NGFB; PG110; ABT-110
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<b>Entrez Gene ID</b>	<a href="#">4803</a>
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<b>UniProt ID</b>	<a href="#">P01138</a>
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