

Immunotag™ NGF Polyclonal Antibody

| Antibody Specification | |
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| Catalog No. | ITT5565 |
| Product Description | Immunotag™ NGF Polyclonal Antibody |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | NGF |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC-p,ELISA |
| Recommended Dilution | WB 1:500-2000, ELISA 1:10000-20000 IHC 1:50-300 |
| Concentration | 1 mg/ml |
| Reactive Species | Human |
| Host Species | Rabbit |
| Immunogen | The antiserum was produced against synthesized peptide derived from the Internal region of human NGF protein (amino acid range:141-190) |
| Specificity | NGF Polyclonal Antibody detects endogenous levels of NGF protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | NGF |
| Accession No. | P01138 P01139 |
| Alternate Names | NGF; NGFB; Beta-nerve growth factor; Beta-NGF |

Antibody Specification

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| Description | nerve growth factor(NGF) Homo sapiens This gene is a member of the NGF-beta family and encodes a protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and 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. [provided by RefSeq, Jul 2008], |
| Cell Pathway/ Category | MAPK_ERK_Growth,MAPK_G_Protein,Apoptosis_Inhibition,Apoptosis_Mitochondrial,Apoptosis_Overview,MAPK_Growth |
| Protein Expression | Brain,Epithelium,Eye,Leukocyte, |
| Subcellular Localization | extracellular region,endosome,Golgi lumen,cytoplasmic, membrane-bounded vesicle, |
| Protein Function | disease:Defects in NGF are the cause of hereditary sensory and autonomic neuropathy type 5 (HSAN5) [MIM:608654]. The hereditary sensory and autonomic neuropathies are a genetically and clinically heterogeneous group of disorders characterized by degeneration of dorsal root and autonomic ganglion cells, and by sensory and/or autonomic abnormalities. HSAN5 patients manifest loss of pain perception and impaired temperature sensitivity, ulcers, and in some cases self-mutilation. The autonomic involvement is variable.,function:NGF is an important growth factor for the development and maintenance of the sympathetic and sensory nervous system. It stimulates division and differentiation of sympathetic and embryonic sensory neurons.,online information:NGF is a growth factor entry,similarity:Belongs to the NGF-beta family.,subunit:Homodimer., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |