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# Immunotag™ NGF Polyclonal Antibody

## Antibody Specification

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| Catalog No. | ITT3114 |
| 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 Fluo Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cann 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 | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in applications. |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse,Rat |
| Host Species | Rabbit |
| Immunogen | Synthesized peptide derived from the Internal region of human NGF |
| Specificity | NGF Polyclonal Antibody detects endogenous levels of NGF protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-spec immunogen |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | NGF |
| Accession No. | P01138 P01139 P25427 |
| Alternate Names | NGF; NGFB; Beta-nerve growth factor; Beta-NGF |

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| Description | nerve growth factor(NGF) Homo sapiens This gene is a member of the NGF-beta family and encodes a s 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 a sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic n type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis. [provide RefSeq, Jul 2008], |
| Cell Pathway/ Category | MAPK_ERK_Growth,MAPK_G_Protein,Apoptosis_Inhibition,Apoptosis_Mitochondrial,Apoptosis_Overview,N |
| 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 hete group of disorders characterized by degeneration of dorsal root and autonomic ganglion cells, and by s and/or autonomic abnormalities. HSAN5 patients manifest loss of pain perception and impaired temper sensitivity, ulcers, and in some cases self-mutilation. The autonomic involvement is variable.,function:N growth factor is important for the development and maintenance of the sympathetic and sensory nervo It stimulates division and differentiation of sympathetic and embryonic sensory neurons.,online informa growth factor entry,similarity:Belongs to the NGF-beta family.,subunit:Homodimer., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |