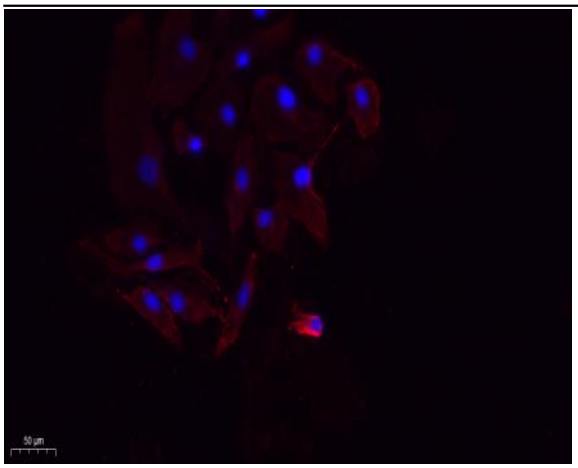
Best Tools for immunology Research

NGF Polyclonal Antibody

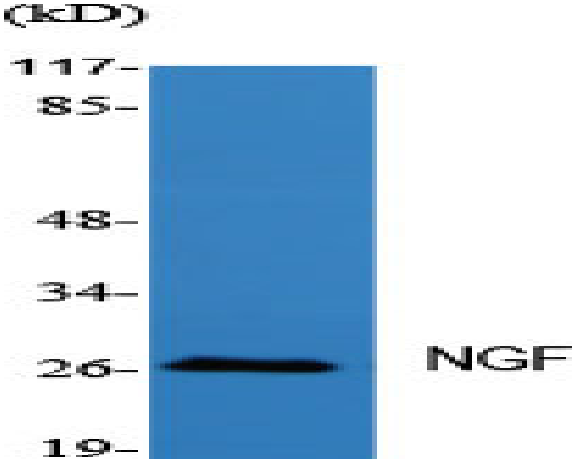
Catalog No :	YT3114
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	NGF
Fields :	>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Calcium signaling pathway;>>Cytokine-cytokine receptor interaction;>>PI3K-Akt signaling pathway;>>Apoptosis;>>Neurotrophin signaling pathway;>>Inflammatory mediator regulation of TRP channels
Gene Name :	NGF
Protein Name :	Beta-nerve growth factor
Human Gene Id :	4803
Human Swiss Prot No :	P01138
Mouse Gene Id :	18049
Mouse Swiss Prot No :	P01139
Rat Gene Id :	310738
Rat Swiss Prot No :	P25427
Immunogen :	The antiserum was produced against synthesized peptide derived from human NGF. AA range:33-82
Specificity :	NGF Polyclonal Antibody detects endogenous levels of NGF protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution :	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	27kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Neurotrophin;
Background :	This gene is a member of the NGF-beta family and encodes 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 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],
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:Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. It stimulates division and differentiation of sympathetic and embryonic sensory neurons.,online information:Nerve growth factor entry,similarity:Belongs to the NGF-beta family.,subunit:Homodimer.,
Subcellular Location :	Secreted . Endosome lumen . ProNGF is endocytosed after binding to the cell surface receptor formed by SORT1 and NGFR. .
Expression :	Brain,Epithelium,Eye,Leukocyte,

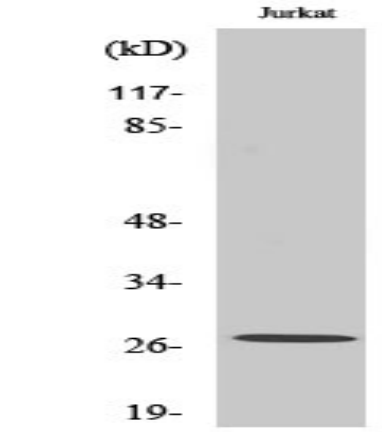
Products Images



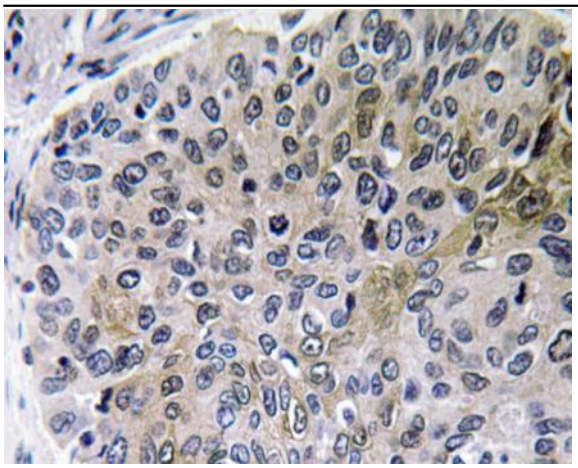
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



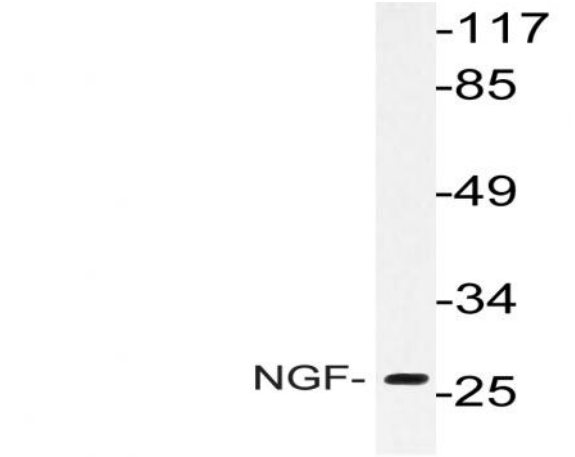
Western Blot analysis of various cells using NGF Polyclonal Antibody diluted at 1:2000



Western Blot analysis of Jurkat cells using NGF Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of NGF antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from Jurkat cells, using NGF antibody.