

NGF Rabbit mAb

Catalog No: #48748

Package Size: #48748-1 50ul #48748-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

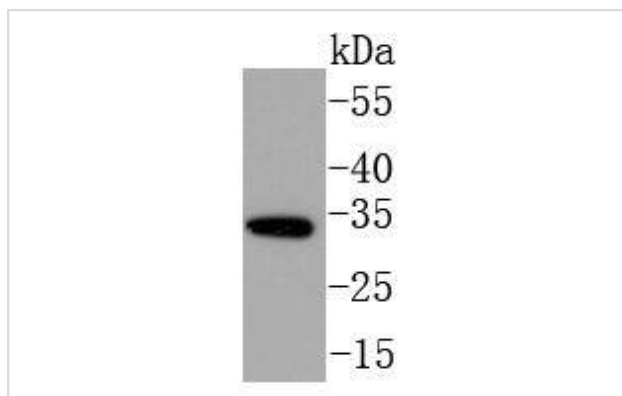
Description

Product Name	NGF Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SI79-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	recombinant protein
Other Names	Beta nerve growth factor antibody Beta NGF antibody Beta-nerve growth factor antibody Beta-NGF antibody HSAN5 antibody MGC161426 antibody MGC161428 antibody Nerve growth factor (beta polypeptide) antibody Nerve growth factor antibody Nerve growth factor beta antibody Nerve growth factor beta polypeptide antibody Nerve growth factor beta subunit antibody NGF antibody NGF_HUMAN antibody NGFB antibody NID67 antibody
Accession No.	Swiss-Prot#:P01138
Uniprot	P01138
GeneID	4803;
Calculated MW	32 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

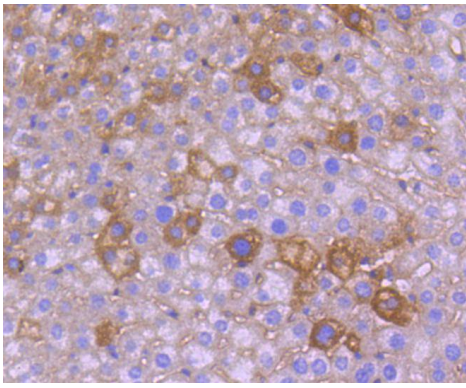
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200

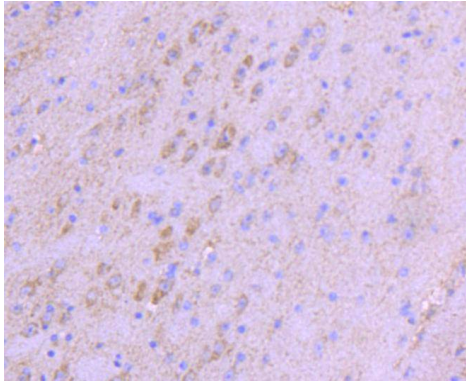
Images



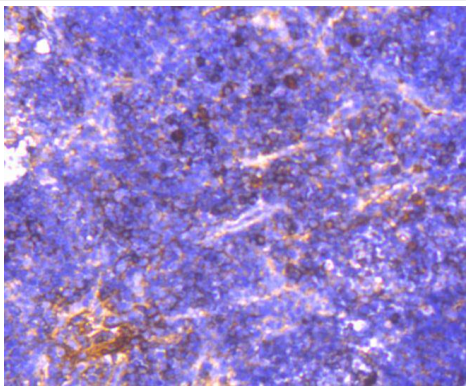
Western blot analysis of NGF on HeLa cell lysates using anti-NGF antibody at 1/1,000 dilution.



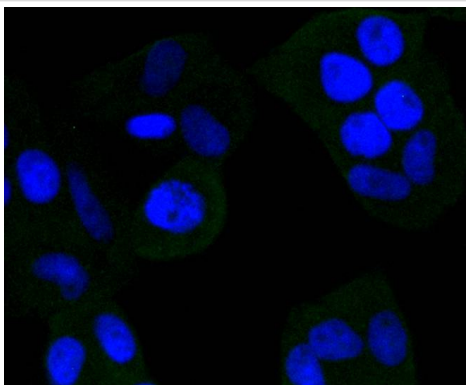
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-NGF antibody. Counter stained with hematoxylin.



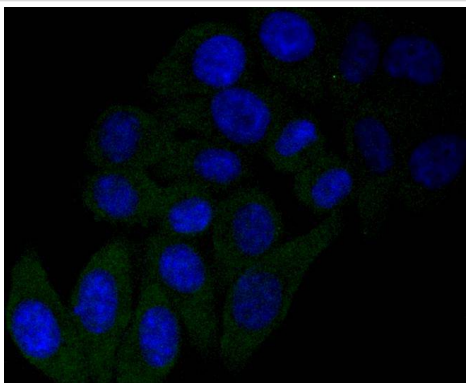
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NGF antibody. Counter stained with hematoxylin.



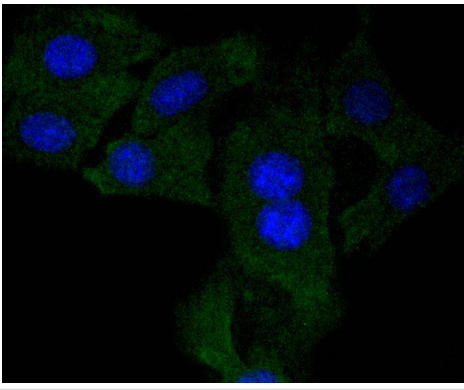
Immunohistochemical analysis of paraffin-embedded mouse thymus tissue using anti-NGF antibody. Counter stained with hematoxylin.



ICC staining NGF in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NGF in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NGF in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5). These various neurotrophins stimulate the in vitro survival of distinct, but partially overlapping, populations of neurons. The cell surface receptors through which neurotrophins mediate their activity have been identified. For instance, the Trk A receptor is the preferential receptor for NGF, but also binds NT-3 and NT-4. The Trk B receptor binds both BDNF and NT-4 equally well, and binds NT-3 to a lesser extent, while the Trk C receptor only binds NT-3.

References

Note: This product is for in vitro research use only