

Anti-NGFR Antibody

Catalog Number: A01187-1

About NGFR

The tumor necrosis factor (TNF) and TNF receptor (TNFR) gene superfamilies regulate numerous biological functions including cell proliferation, differentiation, and survival through regulating the activation of the transcription factor NF-kappaB and various mitogen-activated protein kinases. Nerve growth factor receptor (NGFR) was one of the earliest characterized members of this family. Also known as the low-affinity receptor p75NTR, this receptor is involved in several diverse functions such as apoptosis, neurite outgrowth during development, and myelination. Its ligands include NGF, brain-derived neurotrophic factor (BDNF), NT3, and NT4. NGFR can also associate with other NGF receptors such as Trk through the cytosolic and transmembrane domains and thus can function as a co-receptor that refines Trk affinity and specificity for neurotrophins. Finally, upon binding of various neurotrophins, NGFR associates with tumor necrosis factor receptor-6 (TRAF6), suggesting that it can potentially function as a signal transducer for NGF signals through NGFR.

Overview

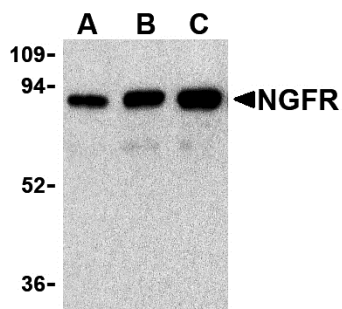
Product Name	Anti-NGFR Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-NGFR Antibody (Catalog # A01187-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	NGFR Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	NGFR antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P08138

Technical Details

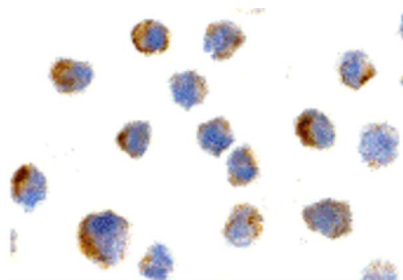
Immunogen	NGFR antibody was raised against purified recombinant human NGFR.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	ZEB2 antibody is predicted to not cross-react with ZEB1.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	NGFR Antibody is Protein A purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: NGFR antibody can be used for the detection of NGFR by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples, Immunocytochemistry in mouse samples and Immunofluorescence in human samples. . All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

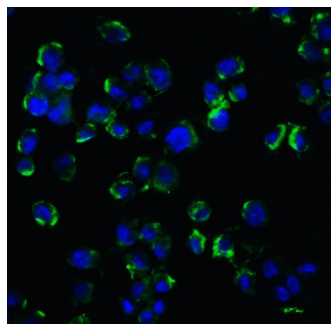
Anti-NGFR Antibody (A01187-1) Images



Western blot analysis of (A) 25 ng, (B) 50 ng, and (C) 100 ng of purified recombinant NGFR with NGFR antibody at 1 ug/mL.



Immunocytochemistry of NGFR in A20 cells with NGFR antibody at 10 ug/mL.



Immunofluorescence of NGFR in HepG2 cells with NGFR antibody at 20 ug/mL.

Green: NGFR Antibody (A01187-1)
Blue: DAPI staining

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