

## NGFR Antibody

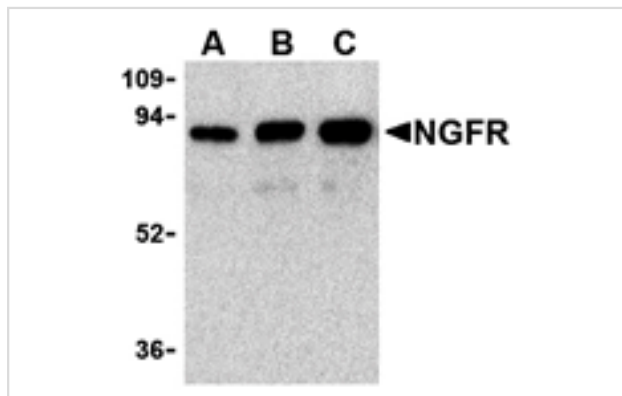
Catalog No: #24342

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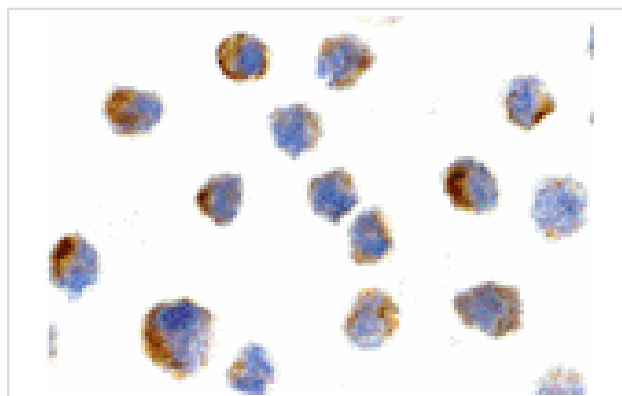
## Description

Product Name	NGFR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Recombinant protein
Immunogen Description	Raised against purified recombinant human NGFR.
Target Name	NGFR
Other Names	p75NTR, TNFRSF16
Accession No.	NP_002498
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## 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.

## Background

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- $\kappa$ B 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 p75<sup>NTR</sup>, 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.