

Mouse Monoclonal Antibody to NGFR

Order Information

Catalog#	20417	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain. NGFR p75 plays a central role in the regulation of cell number by apoptosis in the developing CNS. During early development, activation of NGFR p75 by NGF induces apoptotic cell death in some neuronal cells, probably through activation of the sphingomyelinase/ceramide pathway, the ICE like proteases and the JNK pathway. In rat Schwann cells, NGF binding to NGFR p75 activates NF kappaB, possibly to modulate Schwann cell migration during nerve regeneration. CD271 has recently been described as being expressed in mesenchymal stem cells (bone marrow stromal cells).

Specification

Aliases	: CD271; p75NTR; TNFRSF16; p75(NTR); Gp80-LNGFR; NGFR
Entrez GeneID	: 4804
Swissprot	: P08138
clone	: 2F1C2
WB Predicted band size	: 45kDa
Host/Isotype	: Mouse IgG1
Storage	: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Species Reactivity	: Human
Immunogen	: Purified recombinant fragment of human NGFR expressed in E. Coli.
Formulation	: Ascitic fluid containing 0.03% sodium azide.

Application

ICC	1/200 - 1/1000
FCM	1/200 - 1/400
ELISA	1/10000

References

1. J Invest Dermatol. 1992 Dec;99(6):734-42.
2. Nature. 1997 Aug 7;388(6642):548-54.
3. Exp Neurol. 2002 Nov;178(1):104-11.
4. Science. 2004 May 7;304(5672):870-5.

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Protocol

WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html
Antigen Sequence is available upon request.

Products and Services

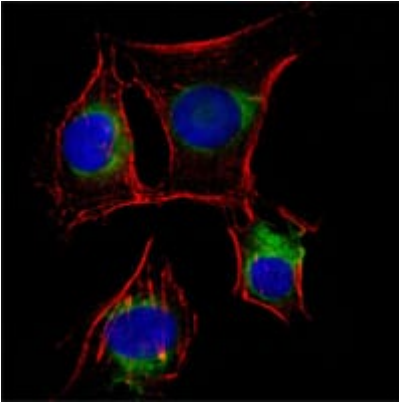
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

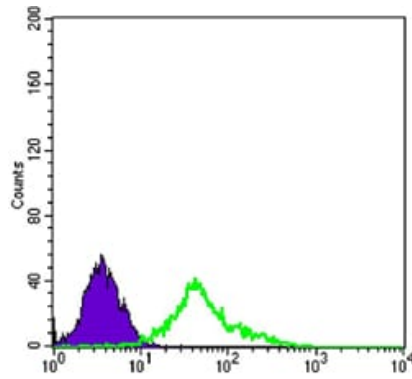
Application Key: WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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Mouse Monoclonal Antibody to NGFR



Immunofluorescence analysis of EC cells using NGFR mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of EC cells using NGFR mouse mAb (green) and negative control (purple).

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