

Product datasheet for TA336800

p75 NGF Receptor (NGFR) Mouse Monoclonal Antibody [Clone ID: 2F1C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F1C2
Applications:	FC, IF, WB
Recommend Dilution:	WB: 1:500-1:2000, ELISA: 1:10000, FC: 1:200-1:400, IF: 1:200-1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human p75NTR/NGF Receptor expressed in E. coli. [UniProt# P08138]
Formulation:	Preservative: 0.05% Sodium Azide. Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Concentration:	This product is unpurified. The exact concentration of antibody is not quantifiable.
Purification:	Ascites
Predicted Protein Size:	45 kDa
Gene Name:	nerve growth factor receptor
Database Link:	NP_002498 Entrez Gene 4804 Human
Background:	p75NTR/NGF Receptor, also known as 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. p75NTR/NGF Receptor plays a central role in the regulation of cell number by apoptosis in the developing CNS. During early development, activation of p75NTR/NGF Receptor 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 p75NTR/NGF Receptor 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).



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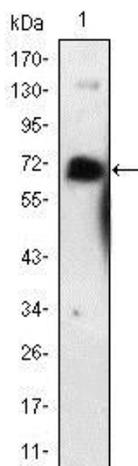
Synonyms: CD271; Gp80-LNGFR; p75(NTR); p75NTR; TNFRSF16

Note: This p75NTR/NGF Receptor (2F1C2) antibody is useful in Western Blot, ELISA, Immunocytochemistry/Immunofluorescence and Flow Cytometry.

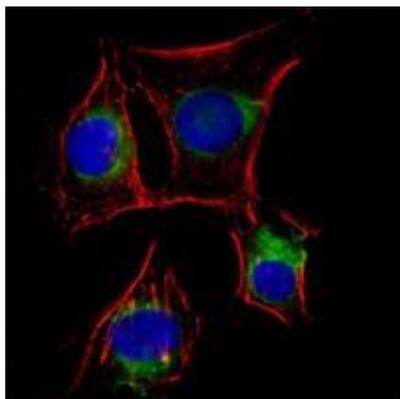
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Neurotrophin signaling pathway

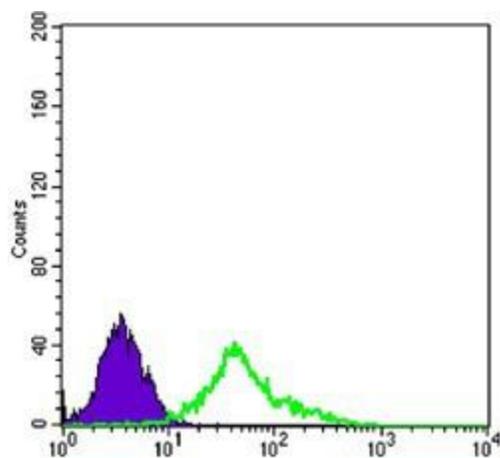
Product images:



Western Blot: p75NTR/NGF Receptor Antibody (2F1C2) TA336800 - Western blot analysis using p75NTR/NGF Receptor mouse mAb against NGFR-hlgGfc transfected HEK293 cell lysate.



Immunocytochemistry/Immunofluorescence: p75NTR/NGF Receptor Antibody (2F1C2) TA336800 - Analysis of EC cells using p75NTR/NGF Receptor mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry: p75NTR/NGF Receptor Antibody (2F1C2) TA336800 - Flow cytometric analysis of EC cells using p75NTR/NGF Receptor mouse mAb (green) and negative control (purple).