

NGFR p75 Monoclonal Antibody

Catalog No: YM0475

Reactivity: Human

Applications: WB;IF;FCM;ELISA

Target: NGFR p75

Fields: >>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling

pathway;>>Cytokine-cytokine receptor interaction;>>PI3K-Akt signaling pathway;>>Apoptosis - multiple species;>>Neurotrophin signaling

pathway;>>Transcriptional misregulation in cancer

Gene Name: NGFR

Protein Name: Tumor necrosis factor receptor superfamily member 16

Human Gene Id: 4804

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: Purified recombinant fragment of human NGFR p75 expressed in E. Coli.

Specificity: NGFR p75 Monoclonal Antibody detects endogenous levels of NGFR p75

protein.

P08138

Q9Z0W1

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Monoclonal, Mouse

Dilution : WB 1:500 - 1:2000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA:

1:10000. Not yet tested in other applications.

Purification : Affinity purification

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 45kD

Cell Pathway : Cytokine-cytokine receptor interaction; Neurotrophin;

P 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.

Background:

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. [provided by RefSeq, Jul 2008],

domain:Death domain is responsible for interaction with RANBP9.,domain:The

Function:

extracellular domain is responsible for interaction with NTRK1.,function:Low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. Can mediate cell survival as well as cell death of neural cells.,PTM:N- and O-glycosylated.,PTM:O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc.,PTM:Phosphorylated on serine residues.,similarity:Contains 1 death domain.,similarity:Contains 4 TNFR-Cys repeats.,subunit:Homodimer; disulfide-linked. Interacts with p75NTR-associated cell death executor. Interacts with TRAF2, TRAF4, TRAF6, PTPN13 and RANBP9. Interacts through TRAF6 with SQSTM1 which bridges NGFR to NTRK1. Interacts with BEX1 and NGFRAP1/BEX3. Interacts with KIDINS220 and NTRK1. Can form a ternary complex with NTRK1 and KIDINS220 and this complex is affected by the expression levels of KIDI

Subcellular Location :

Cell membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection, growth cone . Cell projection, dendritic spine .

Expression: Brain,

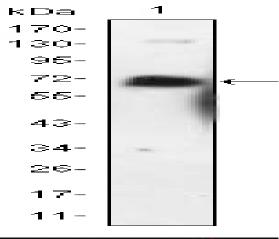
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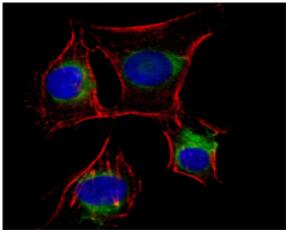
Host: Mouse

Modifications: Unmodified

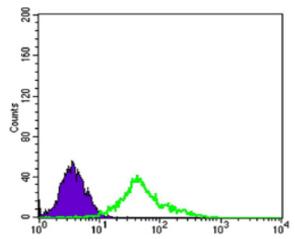
Products Images



Western Blot analysis using NGFR p75 Monoclonal Antibody against NGFR-hlgGFc transfected HEK293 cell lysate.



Immunofluorescence analysis of EC cells using NGFR p75 Monoclonal Antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of EC cells using NGFR p75 Monoclonal Antibody (green) and negative control (purple).