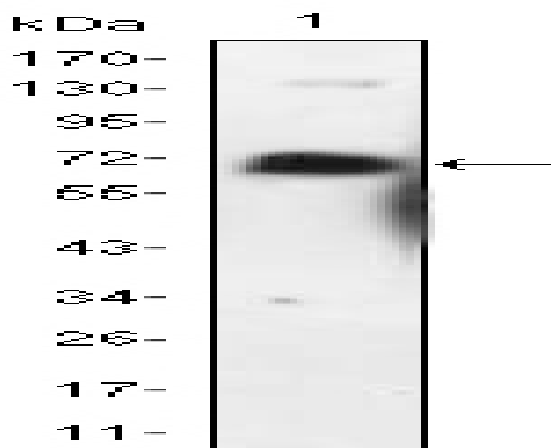


NGFR p75 Monoclonal Antibody

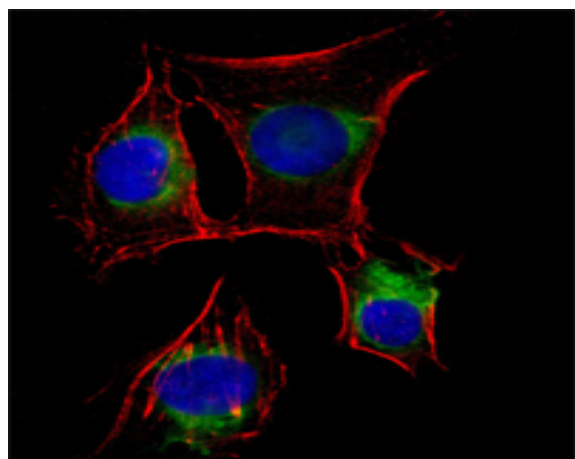
Catalog No :	YM0475
Reactivity :	Human
Applications :	WB;IF;FCM;ELISA
Target :	NGFR p75
Fields :	>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Cytokine-cytokine receptor interaction;>>PI3K-Akt signaling pathway;>>Apoptosis - multiple species;>>Neurotrophin signaling pathway;>>Transcriptional misregulation in cancer
Gene Name :	NGFR
Protein Name :	Tumor necrosis factor receptor superfamily member 16
Human Gene Id :	4804
Human Swiss Prot No :	P08138
Mouse Swiss Prot No :	Q9Z0W1
Immunogen :	Purified recombinant fragment of human NGFR p75 expressed in E. Coli.
Specificity :	NGFR p75 Monoclonal Antibody detects endogenous levels of NGFR p75 protein.
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 :	<ol style="list-style-type: none"> 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],
Function :	<p>domain:Death domain is responsible for interaction with RANBP9.,domain:The 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</p>
Subcellular Location :	Cell membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection, growth cone . Cell projection, dendritic spine .
Expression :	Brain,

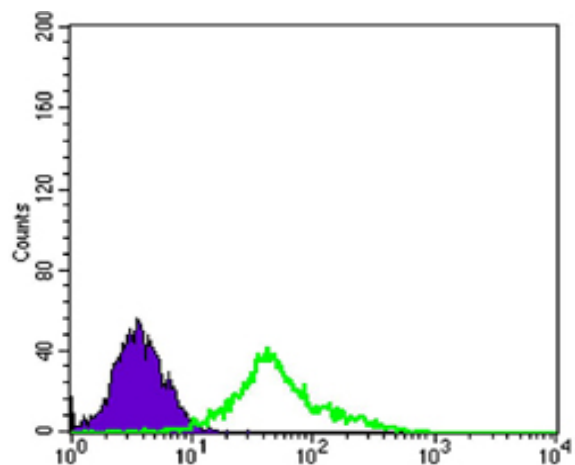
Products Images



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).