Immunoway
Best Tools for immunology Research

NGFR p75 Polyclonal Antibody

Catalog No :	YT3116
Reactivity :	Human;Mouse;Rat
Applications :	WB;IF;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
Rat Gene Id :	24596
Rat Swiss Prot No :	P07174
Immunogen :	The antiserum was produced against synthesized peptide derived from human TNR16. AA range:121-170
Specificity :	NGFR p75 Polyclonal Antibody detects endogenous levels of NGFR p75 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other

applications.

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

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

Observed Band : 75kD

Cell Pathway : Cytokine-cytokine receptor interaction;Neurotrophin;

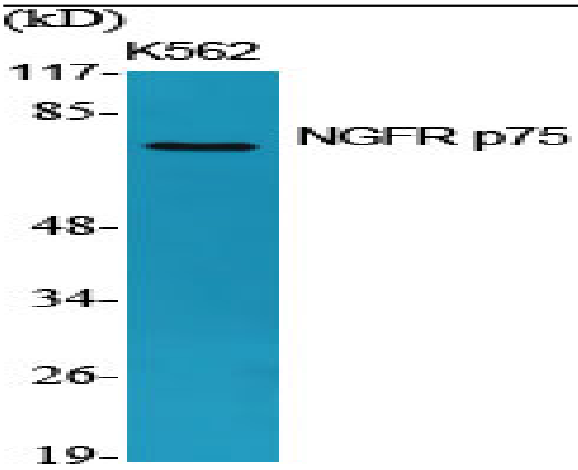
Background : Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain. [provided by RefSeq, Jul 2008],

Function : 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

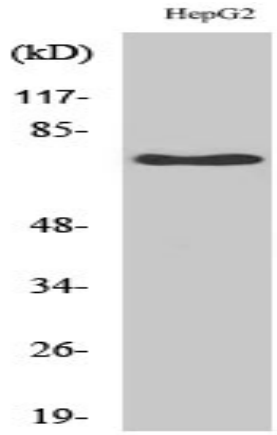
Subcellular Location : Cell membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection, growth cone . Cell projection, dendritic spine .

Expression : Brain,

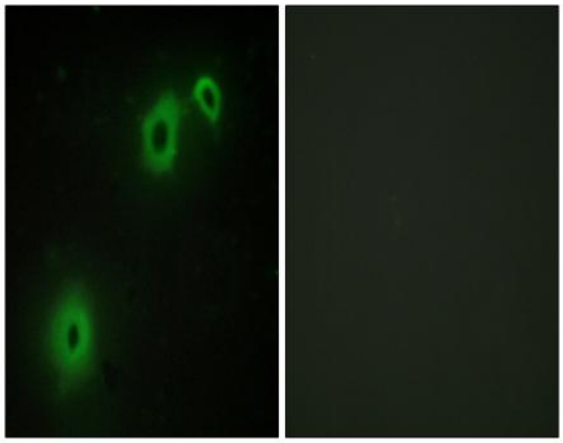
Products Images



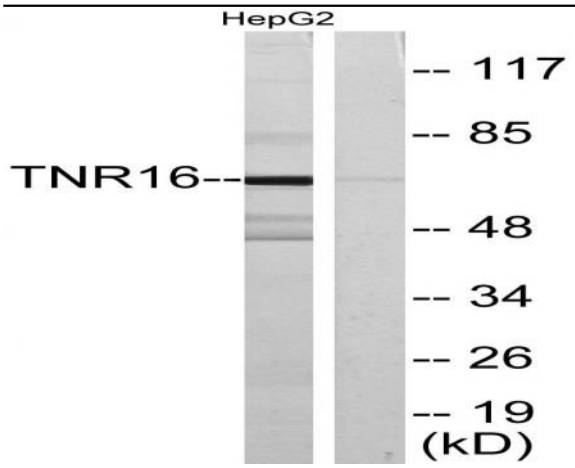
Western Blot analysis of various cells using NGFR p75 Polyclonal Antibody



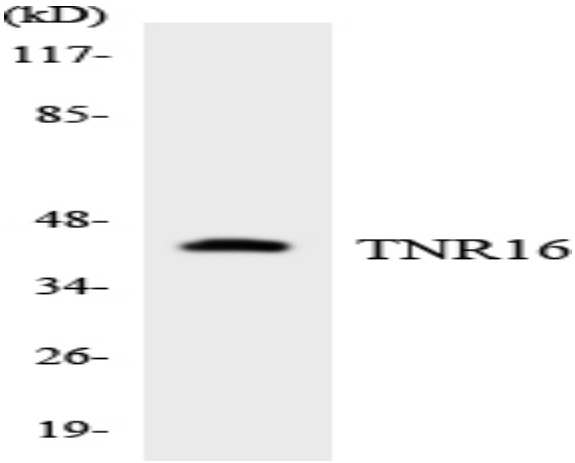
Western Blot analysis of HepG2 cells using NGFR p75 Polyclonal Antibody



Immunofluorescence analysis of A549 cells, using TNR16 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using TNR16 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using TNR16 antibody.