



NGFR p75 Rabbit mAb

Catalog No	YP-rAb-17364
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	NGFR
Protein Name	Tumor necrosis factor receptor superfamily member 16
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	NGFR ; TNFRSF16 ; Tumor necrosis factor receptor superfamily member 16 ; Gp80-LNGFR ; Low affinity neurotrophin receptor p75NTR ; Low-affinity nerve growth factor receptor ; NGF receptor ; p75 ICD ; CD antigen CD271
Observed Band	75kD
Calculated Molecular Weight	45kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection, growth cone . Cell projection, dendritic spine .
Tissue Specificity	Brain,
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

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complex with NTRK1 and KIDINS220 and this complex is affected by the expression levels of KIDINS220. An increase in KIDINS220 expression leads to a decreased association of NGFR and NTRK1 (By similarity). Interacts with LINGO1.,

Background

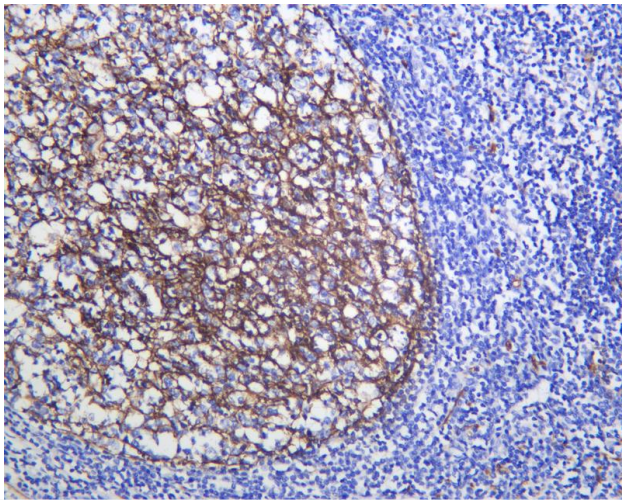
Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the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

matters needing attention

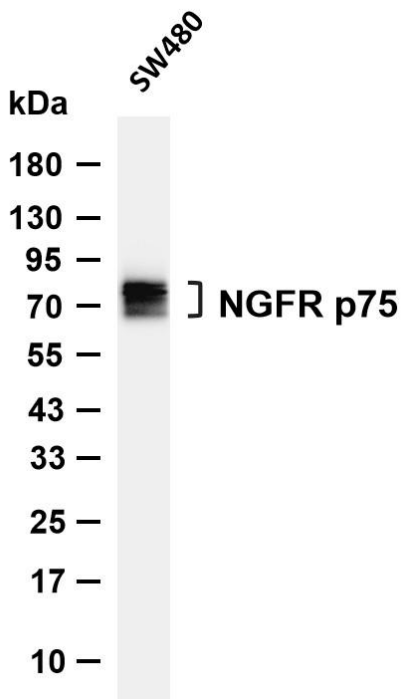
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

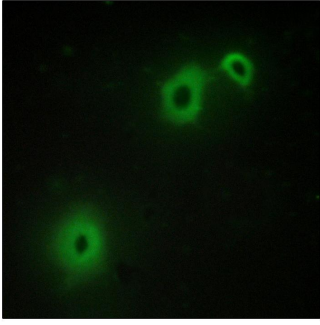


Human appendix was stained with anti-NGFR p75 Rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NGFR p75 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: SW480 Predicted band size: 45kDa Observed band size: 75kDa





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

