

NGFR p75 Mouse mAb

CatalogNo: YM0475

| Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,IF,FC,ELISA

MW

- 45kD (Calculated)

| Recommended Dilution Ratios

WB 1:500-1:2000

IF 1:200-1:1000

Flow Cyt 1:200-1:400

ELISA 1:10000

Not yet tested in other applications.

| Storage

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

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

| Basic Information

Clonality Monoclonal

Clone Number 3D2

| Immunogen Information

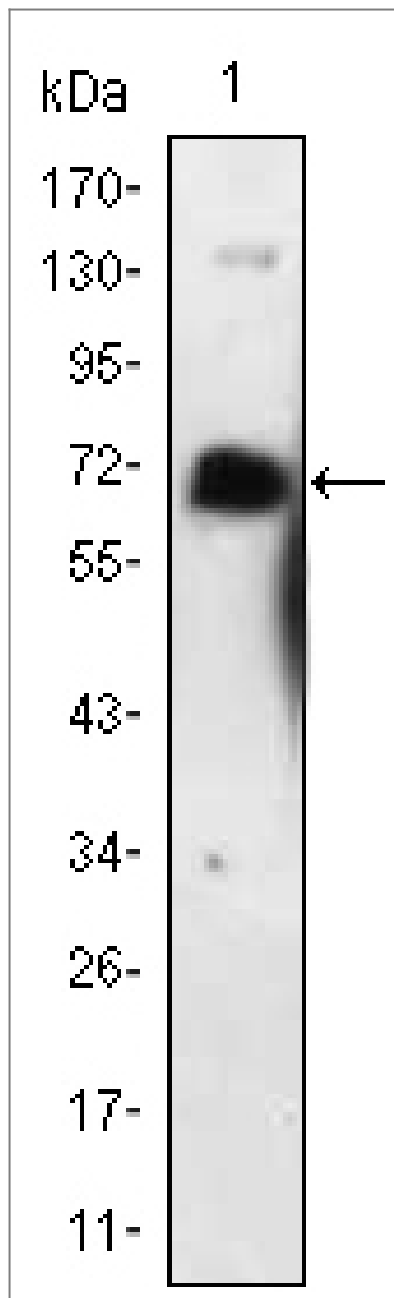
Immunogen Purified recombinant fragment of human NGFR p75 expressed in E. Coli.

Specificity NGFR p75 Monoclonal Antibody detects endogenous levels of NGFR p75 protein.

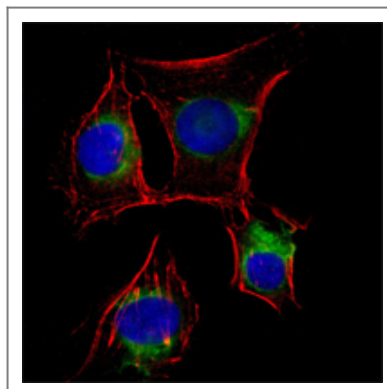
| Target Information

Gene name	NGFR		
Protein Name	Tumor necrosis factor receptor superfamily member 16		
	Organism	Gene ID	UniProt ID
	Human	4804 ;	P08138 ;
	Mouse		Q9Z0W1 ;
Cellular Localization	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 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.,		

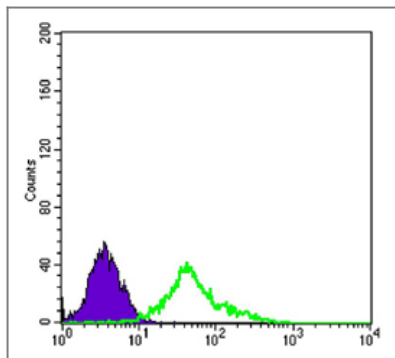
| Validation Data



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).

Contact information

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Please scan the QR code
to access additional
product information:
**NGFR p75 Mouse
mAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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