

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

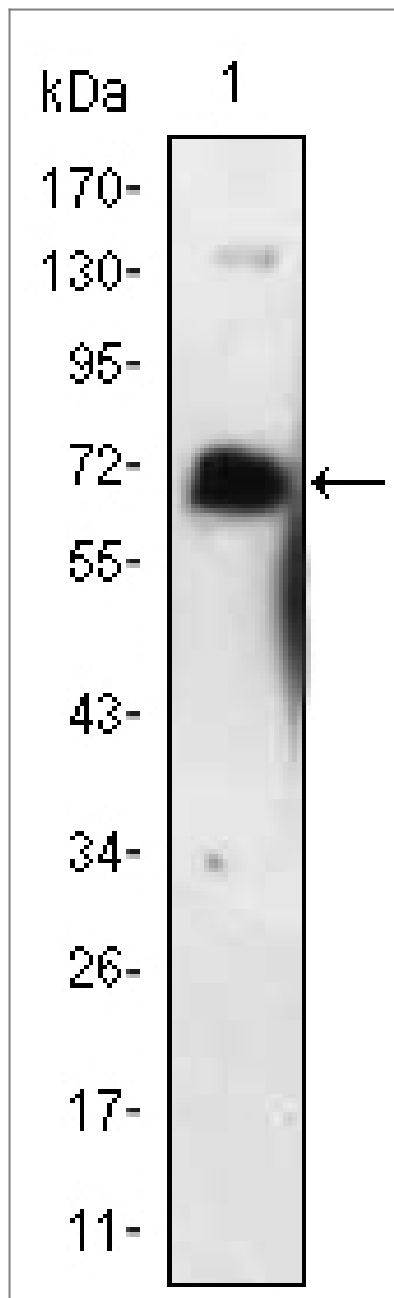
Immunogen Purified recombinant fragment of human NGFR p75 expressed in E. Coli.

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

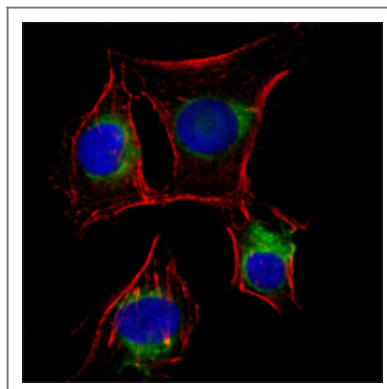
| Target Information

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.,		

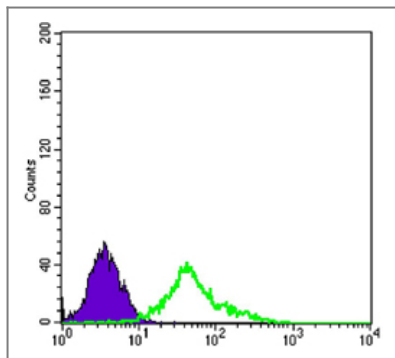
| Validation Data



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

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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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