

Anti-NGFR/P75 Rabbit Monoclonal Antibody

Catalog # ABO13369

Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	P08138
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-NGFR/P75 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

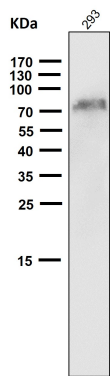
Additional Information

Gene ID	4804
Other Names	Tumor necrosis factor receptor superfamily member 16, Gp80-LNGFR, Low affinity neurotrophin receptor p75NTR, Low-affinity nerve growth factor receptor, NGF receptor, Low-affinity nerve growth factor receptor p75NGFR, Low-affinity nerve growth factor receptor p75NGR, p75 ICD, CD271, NGFR, TNFRSF16
Calculated MW	45183
Application Details	WB 1:10000-1:20000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: DBO-14
Immunogen	A synthesized peptide derived from human p75 NGF Receptor
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

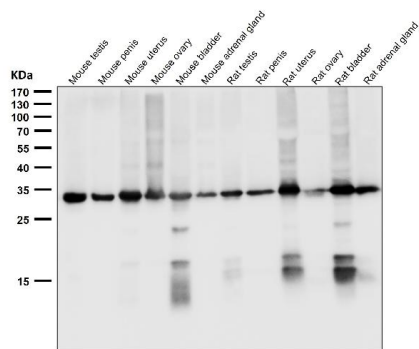
Protein Information

Name	NGFR
Synonyms	TNFRSF16
Function	Low affinity receptor which can bind to NGF, BDNF, NTF3, and NTF4. Forms a heterodimeric receptor with SORCS2 that binds the precursor forms of NGF, BDNF and NTF3 with high affinity, and has much lower affinity for mature NGF and BDNF (PubMed: 24908487). Plays an important role in differentiation and survival of specific neuronal populations during development (By similarity). Can mediate cell survival as well as cell death of neural cells. Plays a role in the inactivation of RHOA (PubMed: 26646181). Plays a role in the regulation of the translocation of GLUT4 to the cell surface in adipocytes and skeletal muscle cells in response to insulin, probably by regulating RAB31 activity, and thereby contributes to the regulation of insulin- dependent glucose uptake (By similarity). Necessary for the circadian oscillation of the clock genes BMAL1, PER1, PER2 and NR1D1 in the suprachiasmatic nucleus (SCMgetaN) of the brain and in liver and of the genes involved in glucose and lipid metabolism in the liver (PubMed: 23785138). Together with BFAR negatively regulates NF-kappa-B and JNK-related signaling pathways (PubMed: 22566094).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cytoplasm. Perikaryon {ECO:0000250 UniProtKB:Q9Z0W1}. Cell projection, growth cone {ECO:0000250 UniProtKB:Q9Z0W1}. Cell projection, dendritic spine {ECO:0000250 UniProtKB:Q9Z0W1}

Images

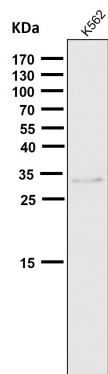


All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.

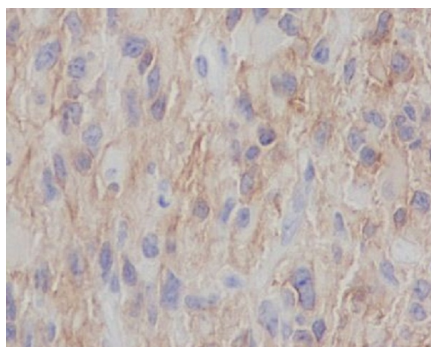
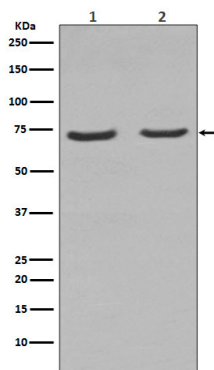


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Western blot analysis of NGFR expression in (1) C6 cell lysate; (2) PC-12 cell lysate.



Immunohistochemical analysis of paraffin-embedded human glioma, using NGFR Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.