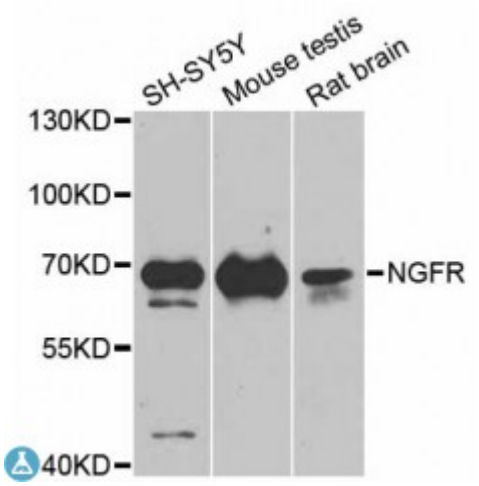
Anti-NGFR Antibody



Description	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.

Model	STJ113724
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 273-427 of human NGFR (NP_002498.1).
Gene ID	4804
Gene Symbol	NGFR
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	45.183 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:7809OMIM:162010Reactome:R-HSA-193634
Alternative Names	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
Function	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 , 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, Necessary for the circadian oscillation of the clock genes ARNTL/BMAL1, PER1, PER2 and NR1D1 in the suprachiasmatic nucleus (SCN) of the brain and in liver and of the genes involved in glucose and lipid metabolism in the liver,
Cellular Localization	Membrane
Post-translational Modifications	N- and O-glycosylated