

Rabbit anti-Human NGFR Polyclonal Antibody | anti-NGFR antibody

Anti-NGFR Antibody, Rabbit Polyclonal

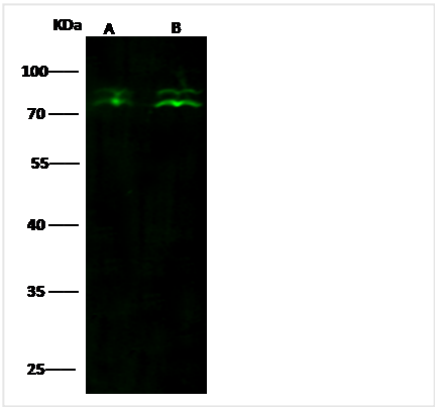
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254425	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

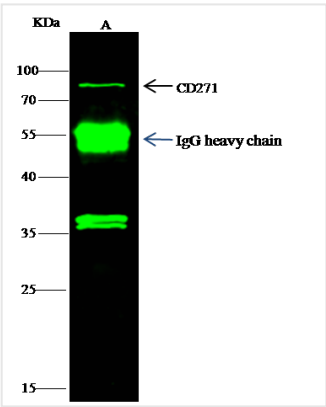
NGFR; Polyclonal Antibody; Anti-NGFR Antibody; Rabbit Polyclonal; NGFR/P75/CD271 Antibody; Rabbit PAb; Antigen Affinity Purified; nerve growth factor receptor (TNFR superfamily; member 16); Anti-CD271 Antibody; Anti-Gp80-LNGFR Antibody; Anti-p75(NTR) Antibody; Anti-p75NTR Antibody; Anti-TNFRSF16 Antibody; anti-NGFR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NGFR/P75/CD271
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NGFR antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human NGFR/P75/CD271
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human NGFR/P75/CD271, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-CD271 rabbit polyclonal antibody at 1:500 dilutionLane A: K562 Whole Cell LysateLane B: Jurkat Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:75 kDaObserved band size:75 kDa



IP (Immunoprecipitation)
CD271 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell Lysate0.5 uL anti-CD271 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-CD271 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 75 kDaObserved band size: 75 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NGFR antibody	Nerve growth factor receptors (NGFRs) belong to a large growth factor receptor family. NGFR includes two types of receptors: high-affinity nerve growth factor receptor and low-affinity nerve growth factor receptor. The high-affinity nerve growth factor receptor is also referred to as the Trk family whose members are bound by some neurotrophins with high affinity. Nerve growth factor binds with TrkA after being released from target cells, the NGF/TrkA complex is subsequently trafficked back to the cell body. The Low-affinity nerve growth factor receptor also named p75 which binds with all kinds of neurotrophins with low affinity. All four kinds of neurotrophins, including Nerve growth factor, Brain-derived neurotrophic factor, Neurotrophin-3, and Neurotrophin-4 bind to the p75. Studies have proved that NGFR acts as a molecular signal switch that determines cell death or survival by three steps. First, pro-nerve growth factor (prNGF) triggers cell apoptosis by its high-affinity binding to p75NTR, while NGF induces neuronal survival with low-affinity binding. Second, p75NTR mediates cell death by combining with co-receptor Sortilin, whereas it promotes neuronal survival through combination with prNGF. Third, the release of the intracellular domain chopper or cleavage short p75 NTR can independently initiate neuronal apoptosis.
Product Categories/Family for anti-NGFR antibody	Death Receptor Signaling
References	Chen LW, et al. (2008) The prNGF-p75NTR-sortilin signalling complex as new target for the therapeutic treatment of Parkinson's disease. CNS Neurol Disord Drug Targets. 7(6): 512-23.Deponti D, et al. (2009) The low-affinity receptor for neurotrophins p75NTR plays a key role for satellite cell function in muscle repair acting via RhoA. Mol Biol Cell.20(16): 3620-7.Ken-ichiro K, et al. (2004) Necdin-related MAGE proteins differentially interact with the E2F1 transcription factor and the p75 neurotrophin receptor. J Biol Chem. 279 (3): 1703-12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505393
NCBI GeneID	4804
NCBI Accession #	NP_002498.1
NCBI GenBank Nucleotide #	NM_002507.3
UniProt Accession #	P08138; B2R961
Molecular Weight	45,183 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 16
NCBI Official Synonym Full Names	nerve growth factor receptor

NCBI Official Symbol	NGFR
NCBI Official Synonym Symbols	CD271; p75NTR; TNFRSF16; p75(NTR); Gp80-LNGFR
NCBI Protein Information	tumor necrosis factor receptor superfamily member 16; p75 ICD; NGF receptor; TNFR superfamily, member 16; low affinity nerve growth factor receptor; low affinity neurotrophin receptor p75NTR; low-affinity nerve growth factor receptor
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 16
UniProt Gene Name	NGFR
UniProt Synonym Gene Names	TNFRSF16; NGF receptor
UniProt Entry Name	TNR16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ngfr-antibody-immunoprecipitation-western-blot-elisa/254425>