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Product datasheet for AP20406PU-N

p75 NGF Receptor (NGFR) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunofluorescence**: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of NGFR p75 protein. (region surrounding Pro150)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction > 95% (by SDS-PAGE) Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 45,75 kDa
Gene Name:	nerve growth factor receptor
Database Link:	Entrez Gene 18053 MouseEntrez Gene 24596 RatEntrez Gene 4804 Human P08138

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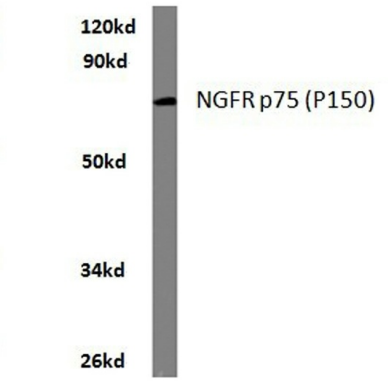
Background: Nerve Growth Factor Receptor, also termed NGFR p75, p75NTR, or CD271 is the low affinity NGFR (LNGFR) which binds NGF and other neurotrophins including BDNF, NT3, NT4/5 with similar, low affinity. NGFR p75 is a 75kD transmembrane glycoprotein (399 a.a.) consisting of an extracellular domain (222 a.a.) which contains four cysteine rich domains responsible for ligand binding, a transmembrane domain (22 a.a.), and a cytoplasmic domain (155 a.a.). NGFR p75 is mainly expressed in Schwann cells and neurons and in a variety of non neuronal cells. NGFR p75 is necessary for regulating neuronal growth, migration, differentiation and cell death during development of the central and peripheral nervous system. The signal transduction mechanisms and components leading to NGFR p75 multiple signals are complex and not well understood.

Synonyms: TNFRSF16

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Neurotrophin signaling pathway

Product images:



Raw264.7 whole cell lysate, treated with LPS
NGFR p75 (P150) pAb at 1:500 dilution

Western blot (WB) analysis of NGFR p75 antibody (Cat-No.: AP20406PU-N) in extracts from raw264.7 cells, treated with LPS.