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# EB11125 - Goat Anti-p75NTR / CD271 (aa202-215) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** CD271, Gp80-LNGFR, low affinity nerve growth factor receptor, low affinity neurotrophin receptor p75NTR, low-affinity nerve growth factor receptor, nerve growth factor receptor, NGF receptor, OTTHUMP00000220319, p75 ICD, p75(NTR), p75NTR, TNFR superfamily, member 16, TNFRSF16, tumor necrosis factor receptor superfamily member 16, NGFR

Official Symbol: NGFR

Accession Number(s): NP\_002498.1

Human GenelD(s): 4804

Non-Human GenelD(s): 18053 (mouse), 24596 (rat)

Important Comments: This antibody is expected to recognize the extracellular domain of

p75NTR.

## Immunogen

Peptide with sequence C-PEGSDSTAPSTQEP, from the internal region of the protein sequence according to NP\_002498.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

#### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:4000.

**Western blot:** Approx 75kDa band observed in Rat Heart lysates (calculated MW of 45.2kDa according to Human NP\_002498.1 and 45.4kDa according to Rat NP\_036742.2. The observed molecular weight corresponds to earlier findings in literature with different antibodies (Nykjaer et al, Curr Opin Neurobiol. 2005 Feb;15(1):49-57). Recommended concentration: 1-3µg/ml.

## **Species Reactivity**

Tested: Rat

Expected from sequence similarity: Human, Rat, Pig, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa

EB11125 (1μg/ml) staining of Rat Heart lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour.

Detected by chemiluminescence.