

## Product datasheet for **AP05556PU-N**

### p75 NGF Receptor (NGFR) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western blot: 1 µg/ml; detects a band of approximately 75-80kDa in A-20 cell lysate. Immunocytochemistry.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant human CD271
Specificity:	This antibody recognises CD271, a transmembrane protein of 70-75kDa, otherwise known as Nerve Growth Factor Receptor (NGFR).
Formulation:	Phosphate buffered saline containing 0.02% Sodium Azide (NaN <sub>3</sub> ) State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	nerve growth factor receptor
Database Link:	<a href="#">Entrez Gene 4804 Human P08138</a>



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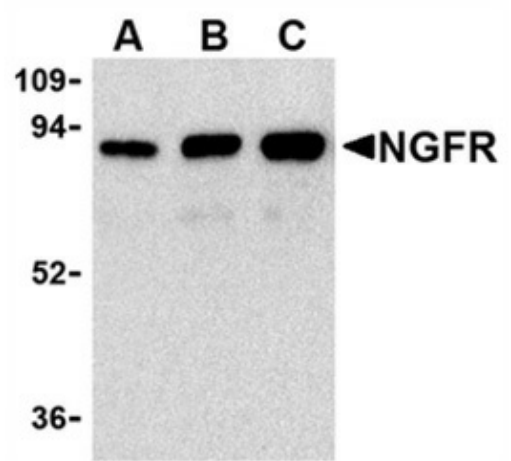
**Background:**

CD 271 is a pro-apoptotic member of the tumour necrosis factor receptor (TNFR) family and its ligands include NGF, brain derived growth neurotrophic factor (BDNF), NT3 and NT4. CD271 has been shown to interact with tropomyosin-receptor-kinase A (TrkA) forming the high-affinity NGF receptor, while CD271 can signal alone, constituting the low-affinity NGF receptor. When signalling alone, CD271 is involved in apoptosis, neurite outgrowth during development and myelination. Mutations and changes in CD271 expression have been implicated in various pathological diseases including Alzheimer

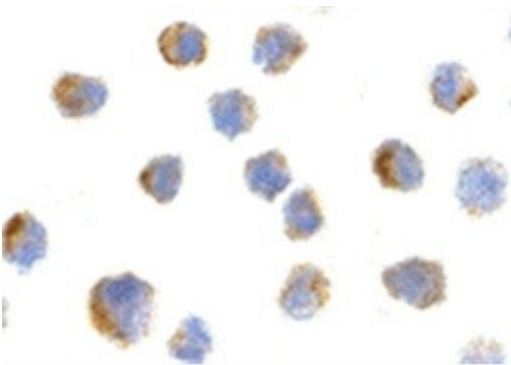
**Synonyms:**

TNFRSF16

**Product images:**



Western blot analysis of 25 (A), 50 (B) and 100 (C) ng purified recombinant human nerve growth factor receptor (NGFR) with Rabbit anti Human CD271 (A)



Immunocytochemical staining of A20 mouse B-cell lymphoma cells with Rabbit anti Human CD271