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p75NTR / CD271 (aa202-215) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3633a

Specification

p75NTR / CD271 (aa202-215) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P08138
Other Accession	NP_002498.1, 4804, 18053 (mouse), 24596 (rat)
Reactivity	**Rat**
Predicted	**Human, Pig**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**45183**

p75NTR / CD271 (aa202-215) Antibody (internal region) - Additional Information

Gene ID 4804

Other 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, CD271, NGFR, TNFRSF16

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

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
p75NTR / CD271 (aa202-215) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

p75NTR / CD271 (aa202-215) Antibody (internal region) - Protein Information

Name NGFR

Synonyms TNFRSF16

Function
Low affinity receptor which can bind to NGF, BDNF, NTF3, and NTF4. Forms a heterodimeric receptor with SORCS2 that binds the precursor forms of NGF, BDNF and NTF3 with high affinity,

and has much lower affinity for mature NGF and BDNF (PubMed:24908487). Plays an important role in differentiation and survival of specific neuronal populations during development (By similarity). Can mediate cell survival as well as cell death of neural cells. Plays a role in the inactivation of RHOA (PubMed:26646181). 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 (By similarity). Necessary for the circadian oscillation of the clock genes BMAL1, PER1, PER2 and NR1D1 in the suprachiasmatic nucleus (SCmgetaN) of the brain and in liver and of the genes involved in glucose and lipid metabolism in the liver (PubMed:23785138). Together with BFAR negatively regulates NF-kappa-B and JNK-related signaling pathways (PubMed:22566094).

Cellular Location
Cell membrane; Single-pass type I membrane protein. Cytoplasm. Perikaryon {ECO:0000250|UniProtKB:Q9Z0W1}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q9Z0W1}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q9Z0W1}

p75NTR / CD271 (aa202-215) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

p75NTR / CD271 (aa202-215) Antibody (internal region) - Images

AF3633a (1 µg/ml) staining of Rat Heart lysate (35 µg protein in RIPA buffer). Primary incubation

was 1 hour. Detected by chemiluminescence.

p75NTR / CD271 (aa202-215) Antibody (internal region) - Background

This antibody is expected to recognize the extracellular domain of p75NTR.

p75NTR / CD271 (aa202-215) Antibody (internal region) - References

Human neurotrophin receptor p75NTR defines differentiation-oriented skeletal muscle precursor cells: implications for muscle regeneration. Colombo E, Romaggi S, Medico E, Menon R, Mora M, Falcone C, Lochmüller H, Confalonieri P, Mantegazza R, Morandi L, Farina C. J Neuropathol Exp Neurol. 2011 Feb;70(2):133-42. PMID: 21343882