

Rabbit anti-Mouse CD271 Polyclonal Antibody | anti-CD271 antibody

RABBIT ANTI HUMAN CD271

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49914	Rabbit	Mouse	Western Blot, Immunohistochemistry

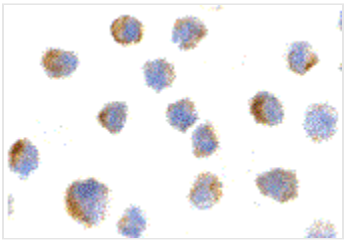
PRODUCT SYNONYMS

CD271; Polyclonal Antibody; RABBIT ANTI HUMAN CD271; anti-CD271 antibody

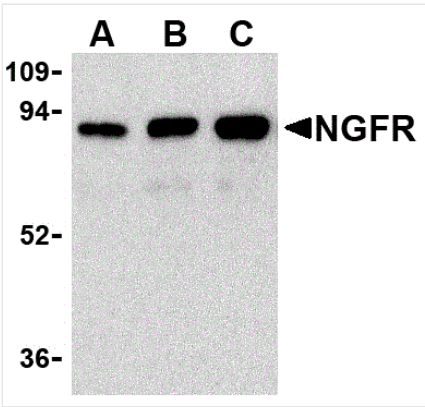
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises CD271, a transmembrane protein of 70-75kDa, otherwise known as Nerve Growth Factor Receptor (NGFR). It 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's Disease, cerebral oedema and retinoblastoma.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	333
Applicable Applications for anti-CD271 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide (NaN3)
Immunogen	Recombinant human CD271 Buffer Solution
Antiserum Preparation	Antisera to CD271 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Immunocytochemical staining of A20 mouse B-cell lymphoma cells with Rabbit anti Human CD271 (AAA49914)



Application Data
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 (AAA49914)

ADDITIONAL INFORMATION

Related Product Information for anti-CD271 antibody	MBS221322 recognises CD271, a transmembrane protein of 70-75kDa, otherwise known as Nerve Growth Factor Receptor (NGFR). It 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's Disease, cerebral oedema and retinoblastoma.
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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; B4E096
Molecular Weight	35,767 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; NGF receptor; TNFR superfamily, member 16; low affinity nerve growth factor receptor; low affinity neurotrophin receptor p75NTR; low-affinity nerve growth factor receptor; p75 ICD
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd271-antibody-western-blot-immunohistochemistry-elisa/49914>