

Datasheet: AHP1014

Description:	RABBIT ANTI HUMAN CD271
Specificity:	CD271
Other names:	NGFR
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antisera to CD271 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human CD271
External Database Links	<p>UniProt: P08138 Related reagents</p> <p>Entrez Gene: 4804 NGFR Related reagents</p>
Synonyms	TNFRSF16
RRID	AB_2152540
Specificity	<p>Rabbit anti Human CD271 antibody recognizes CD271, a transmembrane protein of ~70-75 kDa, 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 signaling 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.</p>
Western Blotting	AHP1014 detects a band of approximately 75-80kDa in A-20 cell lysate.
Further Reading	<ol style="list-style-type: none"> 1. Johnson, D. <i>et al.</i> (1986) Expression and structure of the human NGF receptor. Cell. 47 (4): 545-54. 2. Nykjaer, A. <i>et al.</i> (2005) p75NTR--live or let die. Curr Opin Neurobiol. 15 (1): 49-57. 3. Schor, N.F. (2005) The p75 neurotrophin receptor in human development and disease. Prog Neurobiol. 77 (3): 201-14.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP1014

RegulatoryFor research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)**North & South**

Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M381671:210512'

Printed on 25 Mar 2023