

Product datasheet

Anti-p75 NGF Receptor antibody [NORI138B] ab271289

Recombinant

3 Images

Overview

Product name	Anti-p75 NGF Receptor antibody [NORI138B]
Description	Rat monoclonal [NORI138B] to p75 NGF Receptor
Host species	Rat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein. This information is considered to be commercially sensitive.
Positive control	WB: Human brain, Neuro-2a, Mouse brain and Rat brain, PC-12 lysates. IHC-P: Human tonsil tissue.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	NORI138B
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab271289** in the following tested applications.

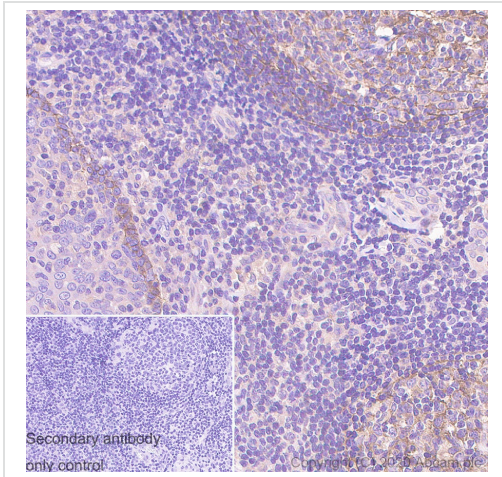
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 45 kDa.
IHC-P		1/1000.

Target

Function	Low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. Can mediate cell survival as well as cell death of neural cells.
Sequence similarities	Contains 1 death domain. Contains 4 TNFR-Cys repeats.
Domain	Death domain is responsible for interaction with RANBP9. The extracellular domain is responsible for interaction with NTRK1.
Post-translational modifications	N- and O-glycosylated. O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc. Phosphorylated on serine residues.
Cellular localization	Membrane.

Images

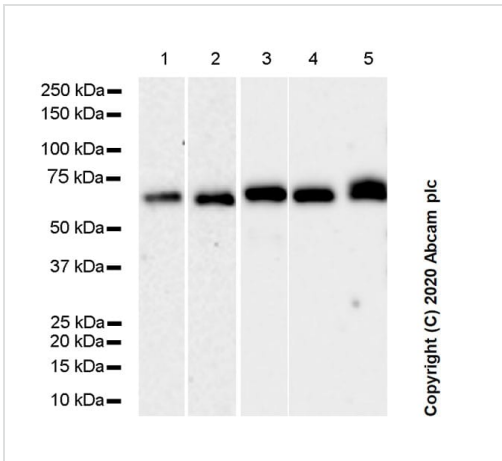


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p75 NGF Receptor antibody [NOR138B] (ab271289)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling p75 NGF with ab271289 at 1/1000 dilution followed by a ready to use Goat Anti-Rat IgG H&L (HRP polymer) (ab214882). Positive staining on the germinal center and basement membrane on the epithelium in the human tonsil. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Goat Anti-Rat IgG H&L (HRP polymer) (ab214882).

Heat mediated antigen retrieval using ab93678 (citrate buffer, pH 6.0)



Western blot - Anti-p75 NGF Receptor antibody [NOR138B] (ab271289)

All lanes : Anti-p75 NGF Receptor antibody [NOR138B] (ab271289) at 1/1000 dilution

Lane 1 : Human brain tissue lysate

Lane 2 : Neuro-2a (mouse neuroblastoma neuroblast), whole cell lysate

Lane 3 : Mouse brain tissue lysate

Lane 4 : Rat brain tissue lysate

Lane 5 : PC-12 (rat adrenal gland pheochromocytoma), whole cell lysate

Secondary

All lanes : Goat Anti-Rat IgG H&L (HRP) (ab205720) at 1/10000 dilution

Predicted band size: 45 kDa

Observed band size: 65 kDa

[why is the actual band size different from the predicted?](#)

Blocking and diluting buffer and concentration: 5% NFDm/TBST

Exposure time: lane 1, 2 : 3 minutes lane 3-5 : 59 seconds

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-p75 NGF Receptor antibody [NOR138B]
(ab271289)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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