


Product datasheet

Anti-p75 NGF Receptor antibody [NGFR5] ab3125

★★★★★ 6 Abreviews 27 References 2 Images

Overview

Product name	Anti-p75 NGF Receptor antibody [NGFR5]
Description	Mouse monoclonal [NGFR5] to p75 NGF Receptor
Host species	Mouse
Tested applications	Suitable for: ICC/IF, IHC-P Unsuitable for: WB
Species reactivity	Reacts with: Rat, Human Predicted to work with: Rabbit, Cat, Baboon  Does not react with: Mouse
Immunogen	Full length native protein (purified) corresponding to p75 NGF Receptor. Purified from A875 melanoma cell line.
Epitope	Amino acids 1 - 160.
Positive control	IHC-P: Human testis tissue. ICC/IF: PC-12 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituents: 0.0268% PBS, 0.2% BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	NGFR5
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab3125 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
ICC/IF	★★★★★ (2)	Use a concentration of 5 µg/ml.
IHC-P	★★★★★ (3)	Use a concentration of 1 - 2 µg/ml.

Application notes

Is unsuitable for WB.

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.

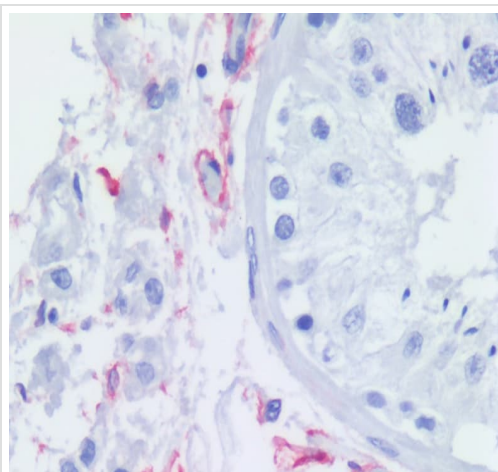
Post-translational modifications

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

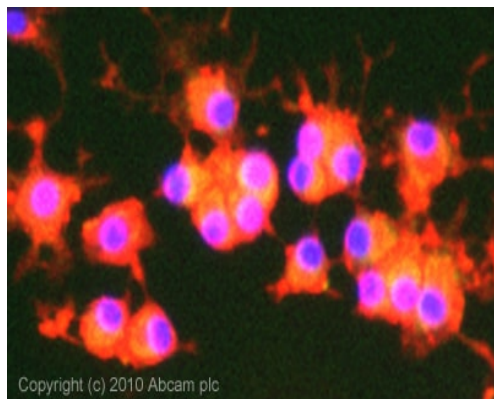
Membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human testis tissue labelling p75 NGF Receptor with ab3125 at 2 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p75 NGF Receptor antibody [NGFR5] (ab3125)



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Immunocytochemistry/ Immunofluorescence - Anti-p75 NGF Receptor antibody [NGFR5] (ab3125)

ICC/IF image of ab3125 stained PC-12 (Rat adrenal gland pheochromocytoma cell line) cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3125, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

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