

## Product datasheet

### Anti-p75 NGF Receptor antibody [MC-192] ab6172

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#### Overview

<b>Product name</b>	Anti-p75 NGF Receptor antibody [MC-192]
<b>Description</b>	Mouse monoclonal [MC-192] to p75 NGF Receptor
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ICC
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Tissue, cells or virus corresponding to Rat p75 NGF Receptor. PC-12 cells.
<b>Positive control</b>	This antibody gave a positive result when used in the following formaldehyde fixed cell lines: PC12.
<b>General notes</b>	<p>A well characterised and versatile monoclonal antibody, clone number MC-192, that is of central importance in the study of LANGF (p75-NGF) receptor.</p> <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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7 Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Primary antibody notes</b>	A well characterised and versatile monoclonal antibody, clone number MC-192, that is of central importance in the study of LANGF (p75-NGF) receptor.
<b>Clonality</b>	Monoclonal

Clone number	MC-192
Isotype	IgG1

## Applications

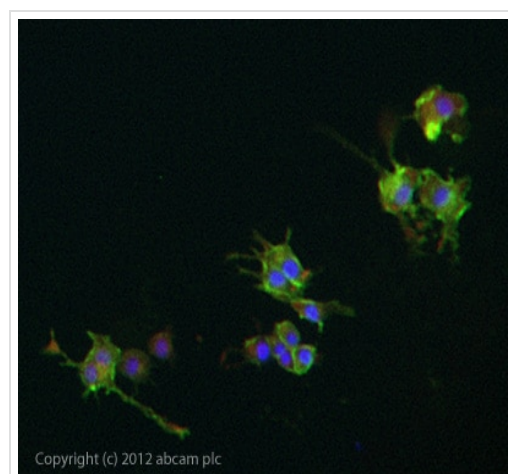
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab6172 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use at an assay dependent concentration.

## Target

<b>Function</b>	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.
<b>Sequence similarities</b>	Contains 1 death domain. Contains 4 TNFR-Cys repeats.
<b>Domain</b>	Death domain is responsible for interaction with RANBP9. The extracellular domain is responsible for interaction with NTRK1.
<b>Post-translational modifications</b>	N- and O-glycosylated. O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc. Phosphorylated on serine residues.
<b>Cellular localization</b>	Membrane.

## Images



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Immunocytochemistry - Anti-p75 NGF Receptor antibody [MC-192] (ab6172)

ab6172 stained PC12 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 ab6172 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-mouse (**ab96879**) 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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