Overview

Product name: Anti-p75 NGF Receptor antibody
Description: Rabbit polyclonal to p75 NGF Receptor
Host species: Rabbit
Specificity: This antibody recognises mouse NGF Receptor
Tested applications: Suitable for: ICC/IF, Dot blot, IHC-P, IHC-Fr, IP, WB, IHC-FoFr, ICC, Flow Cyt
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: An extracellular fragment from the mouse p75 receptor (amino acids 43-161).

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer: Liquid antiserum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab8874 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Abreviews</th>
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<tr>
<td>ICC/IF</td>
<td>★★★★★☆☆☆</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>Dot blot</td>
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<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-P</td>
<td>★★★★★☆☆☆</td>
<td>Use at an assay dependent concentration.</td>
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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.

Target

This image is courtesy of an anonymous Abreview ab11382 staining normal mouse brain tissue sections by IHC-FoFr. Sections were PFA fixed and blocked with 0.5% TNB for 30 minutes at 25°C. The primary antibody was diluted 1/100 and incubated with the sample for 18 hours at 4°C. An Alexa Fluor® 555 conjugated goat anti-rabbit antibody, diluted 1/500, was used as the secondary. This image (taken at 80x) demonstrates p75 positive neurons in the basal forebrain.
Anti-p75 NGF Receptor antibody (ab8874) at 1/500 dilution + NIH-3T3 cells at 10 µg

**Secondary**
HRP-conjugated Donkey anti-Rabbit polyclonal at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Observed band size:** 75 kDa

**Exposure time:** 12 minutes

NG108-15 cells, a fusion of mouse neuroblastoma and rat glioma cells, were used for a FACS analysis. Cells were incubated for one hour with Ab8874 at a 1:100 dilution, and subsequently with an anti-rabbit IgG conjugated to FITC. A 96% shift was seen relative to control cells treated with secondary antibody only. (note; yellow = control, red = result).

Anti-p75 NGF Receptor antibody (ab8874) at 1/500 dilution + whole cell lysate prepared from human WiDr colorectal cancer cell line at 5 µg

**Secondary**
HRP conjugated donkey anti-rabbit polyclonal at 1/5000 dilution

Developed using the ECL technique.

**Exposure time:** 12 minutes

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"
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