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: IHC-Fr, WB, Flow Cyt
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Recombinant fragment corresponding to Mouse p75 NGF Receptor aa 43-161 (extracellular).
Positive control: WB: NIH/3T3 and WiDr cell lysate. Flow Cyt: Mouse neuroblastoma and rat glioma cells.

Properties

Form: Liquid
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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-Fr</td>
<td>★★★★☆☆☆☆</td>
<td>1/400. PubMed: 169737171/100.</td>
</tr>
<tr>
<td>WB</td>
<td>★★★★☆☆☆☆</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>Application</td>
<td>Abviews</td>
<td>Notes</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use at an assay dependent concentration. Ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.</td>
</tr>
</tbody>
</table>

**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**

Western blot - Anti-p75 NGF Receptor antibody (ab8874)
This image is courtesy of an anonymous Abreview.

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

why is the actual band size different from the predicted?

**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

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors