Product datasheet

Anti-p75 NGF Receptor antibody ab8874

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>
</tbody>
</table>
**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)

- **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