**Product datasheet**

**Anti-p75 NGF Receptor antibody ab32888**

2 References  1 Image

### Overview

**Product name**
Anti-p75 NGF Receptor antibody

**Description**
Goat polyclonal to p75 NGF Receptor

**Host species**
Goat

**Tested applications**
Suitable for: WB, ELISA

**Species reactivity**
Reacts with: Human, Zebrafish

**Predicted to work with**: Mouse, Rat

**Immunogen**
Synthetic peptide:
C-AKREEVEKLLNG
, corresponding to amino acids 342-353 of Human p75 NGF Receptor.

**Positive control**
WB: Human Duodenum and Human Heart lysates.

### Properties

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**
pH: 7.30
Preservative: 0.02% Sodium azide
Constituents: 0.5% Tris buffered saline, 0.5% BSA

**Purity**
Immunogen affinity purified

**Purification notes**
Ab32888 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

**Clonality**
Polyclonal

**Isotype**
IgG

### Applications

Our Abpromise guarantee covers the use of ab32888 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>WB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Application notes**

ELISA: 1/32000.

WB: Use at a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 75 kDa (predicted molecular weight: 45 kDa). The observed molecular weight corresponds to earlier findings in literature (see reference provided).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

**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**

Anti-p75 NGF Receptor antibody (ab32888) at 0.3 µg/ml + Human Heart lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

**Predicted band size**: 45 kDa

**Observed band size**: 75 kDa

*why is the actual band size different from the predicted?*

**Exposure time**: 1 hour

The observed molecular weight corresponds to earlier findings in the literature (see reference provided).
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