

## Product datasheet

# Anti-p75 NGF Receptor antibody [NGFR5] ab3125

★★★★★ 3 Abreviews 10 References 画像数 3

### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-p75 NGF Receptor antibody [NGFR5]  |
| 製品の詳細        | Mouse monoclonal [NGFR5] to p75 NGF Receptor                                      |
| アプリケーション     | 適用あり: ICC/IF, Flow Cyt, IHC-P<br>適用なし: WB   |
| 種交差性         | 交差種: Human, Ferret, Monkey<br>交差が予測される動物種: Rabbit, Cat, Baboon ▲ 非交差種: Mouse, Rat |
| 免疫原          | NGFR from A875 melanoma cells.  |
| エピトープ        | Amino acids 1 - 160.  |
| ポジティブ・コントロール | Melanoma.   |

### 製品の特性

|        |   |
|--------|---|
| 製品の状態  | Liquid  |
| 保存方法   | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| バッファー  | pH: 7.40<br>Constituents: 0.0268% PBS, 0.2% BSA                                       |
| 精製度    | Protein G purified  |
| ポリ/モノ  | モノクローナル   |
| クローン名  | NGFR5   |
| アイソタイプ | IgG1  |
| 軽鎖の種類  | kappa   |

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab3125** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

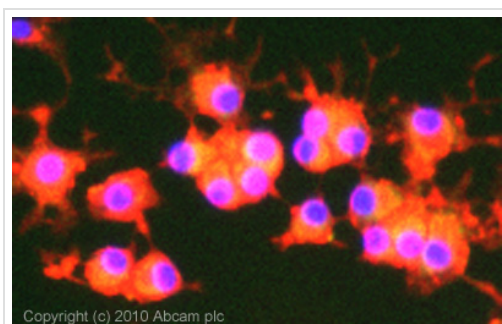
| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| ICC/IF   |           | Use at an assay dependent concentration.  |
| Flow Cyt |           | Use at an assay dependent concentration. <a href="#">ab170190</a> -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |
| IHC-P    | ★★★★★     | Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.                          |

**追加情報** Is unsuitable for WB.

## ターゲット情報

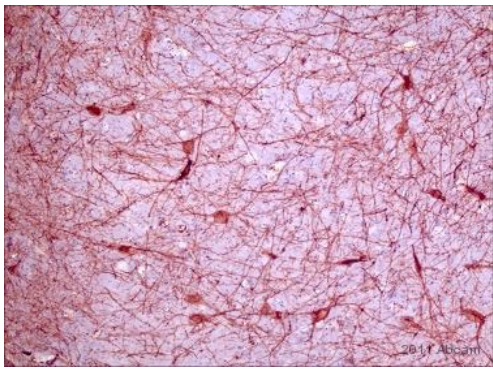
|              |   |
|--------------|---|
| <b>機能</b>    | Low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. Can mediate cell survival as well as cell death of neural cells.         |
| <b>配列類似性</b> | Contains 1 death domain.<br>Contains 4 TNFR-Cys repeats.  |
| <b>ドメイン</b>  | Death domain is responsible for interaction with RANBP9.<br>The extracellular domain is responsible for interaction with NTRK1.             |
| <b>翻訳後修飾</b> | N- and O-glycosylated.<br>O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc.<br>Phosphorylated on serine residues. |
| <b>細胞内局在</b> | Membrane.   |

## 画像



Immunocytochemistry/ Immunofluorescence - p75  
NGF Receptor antibody [NGFR5] (ab3125)

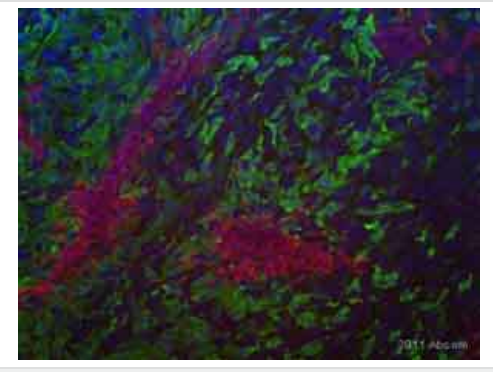
ICC/IF image of ab3125 stained PC12 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3125, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - p75 NGF Receptor antibody [NGFR5] (ab3125)

This image is courtesy of an Abreview submitted by Amy Nelson.

ab3125 staining p75 NGF Receptor in Human cholinergic neurons by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded tissue sections). The sections were fixed in formalin and subjected to heat-mediated antigen retrieval in sodium citrate buffer prior to blocking with 2.5% serum for 1 hour 30 minutes at 21°C. The primary antibody was diluted 1/250 in normal horse serum blocking buffer and incubated with the sample for 65 hours at 4°C.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p75 NGF Receptor antibody [NGFR5] (ab3125)

This image is courtesy of Hongwei Shao by Abreview.

ab3125 staining p75 NGF Receptor in human melanoma tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue was fixed in formaldehyde and a heat mediated antigen retrieval step was performed using Tris EDTA pH 9.0. Samples were then permeabilized using 0.25% Triton X-100, blocked for 1 hour at room temperature and then incubated with ab3125 at a 1/100 dilution for 18 hours at 4°C. The secondary used was an Alexa-Fluor 594 (red) conjugated donkey anti-mouse polyclonal used at a 1/100 dilution. (Green) tumor cells, (blue) DAPI.

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