


### Anti-proNGF antibody [EP1318Y] ab68151

**重组** RabMAb

**4 References** **5 图像**

#### 概述

产品名称	Anti-proNGF抗体[EP1318Y]
描述	兔单克隆抗体[EP1318Y] to proNGF
宿主	Rabbit
特异性	This antibody recognizes pro-NGF and can work in tissues rather than cell lines for WB.
经测试应用	<b>适用于:</b> Flow Cyt (Intra), WB <b>不适用于:</b> IHC-P
种属反应性	<b>与反应:</b> Rat, Human <b>预测可用于:</b> Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse and Rat brain lysates. Mouse, Rat and Human cerebellum lysates. Human pro-NGF recombinant protein lysates. Flow Cyt (Intra): SH-SY5Y cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆

克隆编号	EP1318Y
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab68151于以下的经测试应用**

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

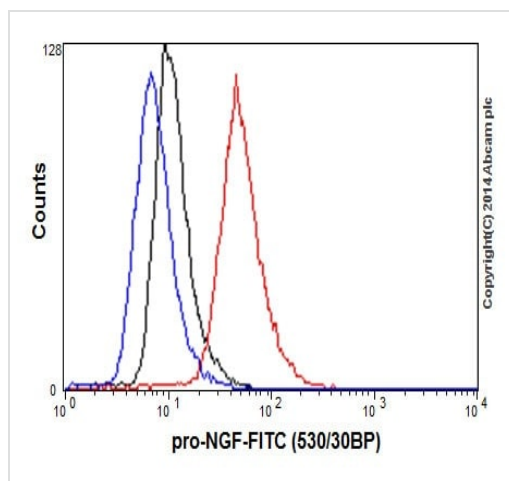
应用	Ab评论	说明
Flow Cyt (Intra)		1/200 - 1/280. <b><u>ab172730</u></b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000. Detects a band of approximately 54 kDa (predicted molecular weight: 27 kDa). <b>For unpurified use at 1/1000 - 1/5000.</b>

应用说明 Is unsuitable for IHC-P.

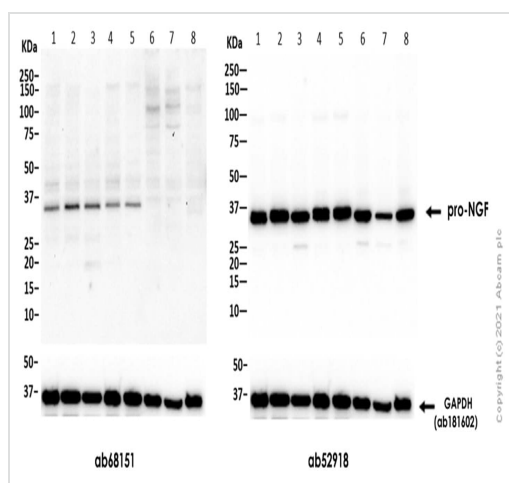
靶标

功能	Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI (PubMed:20164177).
疾病相关	Neuropathy, hereditary sensory and autonomic, 5
序列相似性	Belongs to the NGF-beta family.
细胞定位	Secreted.

图片



Flow Cytometry (Intracellular) - Anti-proNGF antibody [EP1318Y] (ab68151)



Western blot - Anti-proNGF antibody [EP1318Y] (ab68151)

Overlay histogram showing SH-SY5Y cells stained with ab68151 (red line) at 1/280 dilution. The cells were fixed with 2% paraformaldehyde. The secondary antibody used was a FITC conjugated goat anti-rabbit IgG at 1/150 dilution. Isotype control antibody (black line) was rabbit monoclonal IgG used under the same conditions. Cells also incubated without primary antibody and secondary antibody (blue line)

**All lanes :** Anti-proNGF antibody [EP1318Y] (ab68151) at 1/1000 dilution

**Lane 1 :** Mouse brain lysate

**Lane 2 :** Rat brain lysate

**Lane 3 :** Human cerebellum lysate

**Lane 4 :** Mouse cerebellum lysate

**Lane 5 :** Rat cerebellum lysate

**Lane 6 :** Hela (Human cervix adenocarcinoma epithelial cell) whole cell lysate

**Lane 7 :** MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysate

**Lane 8 :** MDA-MB-231 (Human breast adenocarcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Developed using the ECL technique.

**Predicted band size:** 27 kDa

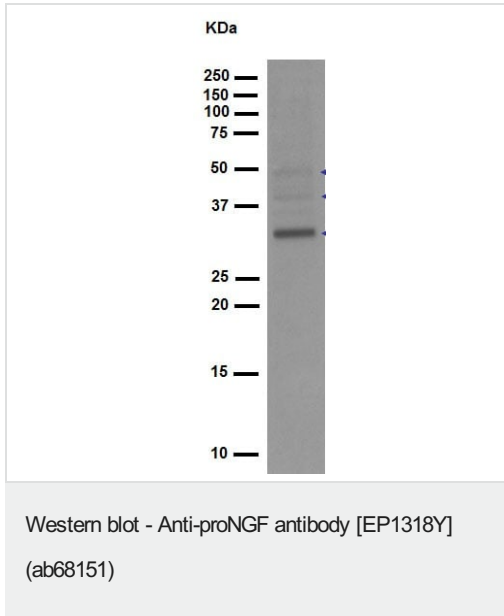
**Observed band size:** 30 kDa

**Exposure time:** 180 seconds

Compared with ab68151, **ab52918** has a higher affinity in positive samples.

The positive cell lines (Lanes 7-9) are consistent with the literature: PMID:12944907, Fig1.

Blocking buffer: 5% NFDM/TBST.

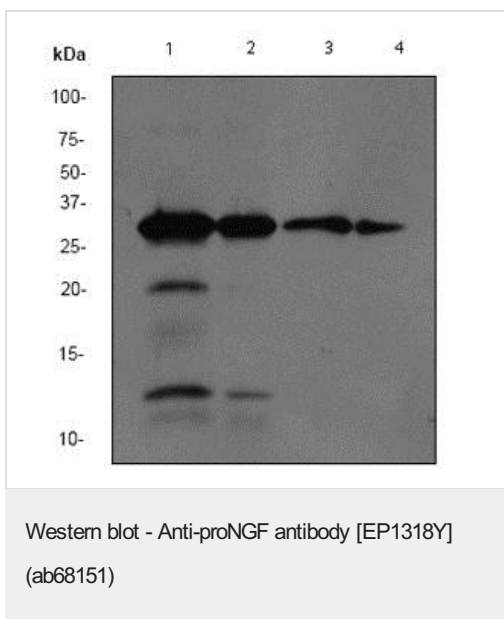


Anti-proNGF antibody [EP1318Y] (ab68151) at 1/1000 dilution + Rat brain tissue lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG, (H+L), HRP-conjugated at 1/1000 dilution

**Predicted band size:** 27 kDa



**All lanes :** Anti-proNGF antibody [EP1318Y] (ab68151) at 1/5000 dilution (unpurified)

**Lane 1 :** 10ng human pro-NGF recombinant protein

**Lane 2 :** 5ng human pro-NGF recombinant protein

**Lane 3 :** 1ng human pro-NGF recombinant protein

**Lane 4 :** 0.5ng human pro-NGF recombinant protein

### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 27 kDa

**Observed band size:** 27 kDa

**Additional bands at:** 13 kDa, 20 kDa. We are unsure as to the identity of these extra bands.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-proNGF antibody [EP1318Y] (ab68151)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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