


Anti-proNGF antibody [EP1318Y] ab68151

リコンビナント RabMAb

4 References [画像数 5](#)

製品の概要

製品名	Anti-proNGF antibody [EP1318Y]
製品の詳細	Rabbit monoclonal [EP1318Y] to proNGF
由来種	Rabbit
特異性	This antibody recognizes pro-NGF and can work in tissues rather than cell lines for WB.
アプリケーション	適用あり: Flow Cyt (Intra), WB 適用なし: IHC-P
種交差性	交差種: Rat, Human 交差が予測される動物種: Mouse 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Mouse and Rat brain lysates. Mouse, Rat and Human cerebellum lysates. Human pro-NGF recombinant protein lysates. Flow Cyt (Intra): SH-SY5Y cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EP1318Y
アイソタイプ IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab68151の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/200 - 1/280. ab172730 - 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). For unpurified use at 1/1000 - 1/5000.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

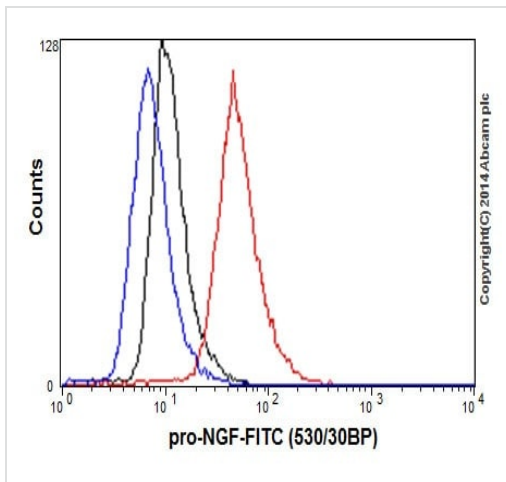
機能 Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI (PubMed:20164177).

関連疾患 Neuropathy, hereditary sensory and autonomic, 5

配列類似性 Belongs to the NGF-beta family.

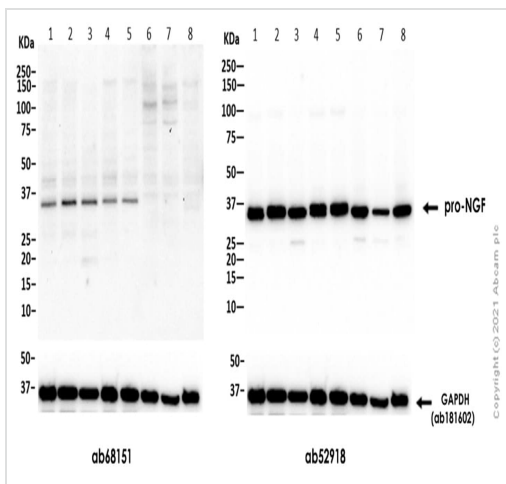
細胞内局在 Secreted.

画像



Flow Cytometry (Intracellular) - 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)



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

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

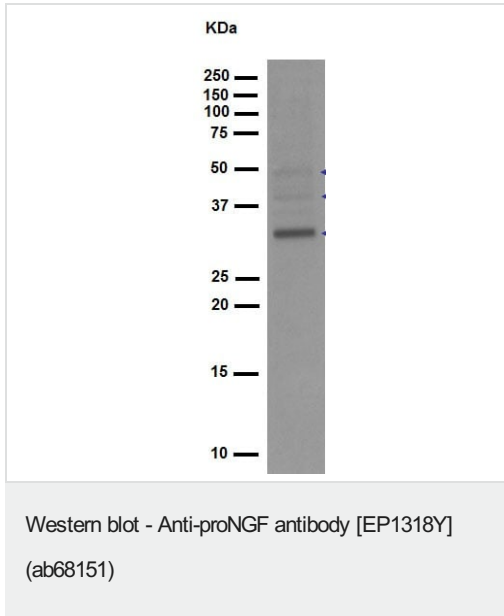
Observed band size: 30 kDa

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.

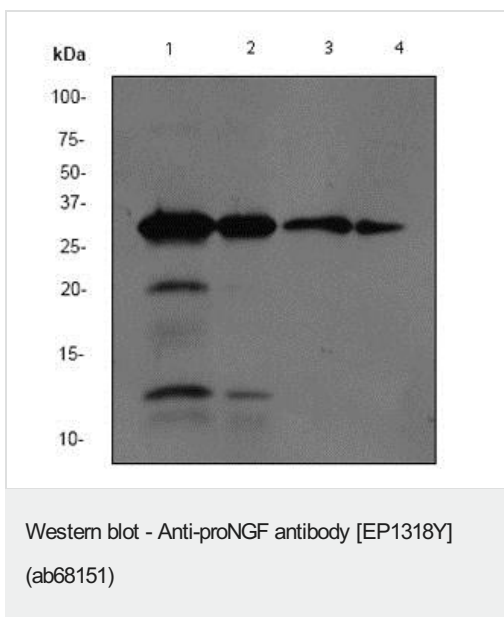


Anti-proNGF antibody [EP1318Y] (ab68151) at 1/1000 dilution + Rat brain tissue lysate at 10 µg

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

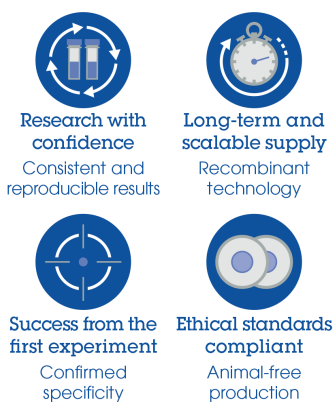
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

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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