


### Anti-GDNF antibody [EPR2714(N)] ab176564

リコンビナント RabMAb

★★★★★ **3 Abreviews** **17 References** 画像数 3

#### 製品の概要

<b>製品名</b>	Anti-GDNF antibody [EPR2714(N)]
<b>製品の詳細</b>	Rabbit monoclonal [EPR2714(N)] to GDNF
<b>由来種</b>	Rabbit
<b>特異性</b>	GDNF homodimerizes and has 5 isoforms along with a signal and propeptide, so there is a potential for multiple bands in western blot.
<b>アプリケーション</b>	<b>適用あり:</b> Flow Cyt (Intra), WB <b>適用なし:</b> ICC/IF, IHC-P or IP
<b>種交差性</b>	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat 
<b>免疫原</b>	Synthetic peptide within Human GDNF aa 50-150 (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">P39905</a>
<b>ポジティブ・コントロール</b>	SH-SY5Y and HepG2 whole cell lysate ( <a href="#">ab7900</a> ), SH-SY5Y cells.
<b>特記事項</b>	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> .

#### 製品の特性

<b>製品の状態</b>	Liquid
<b>保存方法</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>バッファー</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA

精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR2714(N)
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ab176564の使用に適用されます**  
 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確認ください。

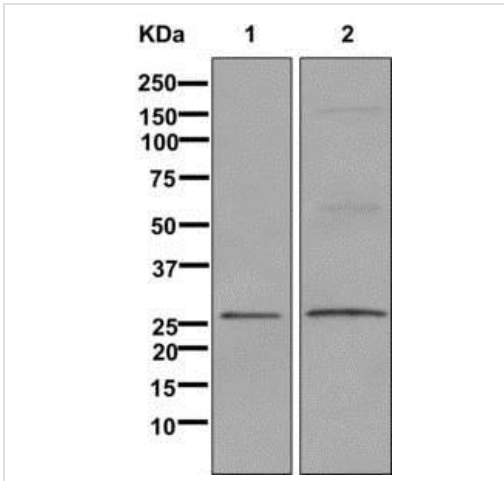
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 24 kDa. GDNF homodimerizes and has 5 isoforms along with a signal and propeptide, so there is a potential for multiple bands in western blot.

**追加情報** Is unsuitable for ICC/IF, IHC-P or IP.

## ターゲット情報

<b>機能</b>	Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake.
<b>組織特異性</b>	In the brain, predominantly expressed in the striatum with highest levels in the caudate and lowest in the putamen.
<b>関連疾患</b>	Defects in GDNF may be a cause of Hirschsprung disease (HSCR) [MIM:142623]. In association with mutations of RET gene, defects in GDNF may be involved in Hirschsprung disease. This genetic disorder of neural crest development is characterized by the absence of intramural ganglion cells in the hindgut, often resulting in intestinal obstruction. Defects in GDNF are a cause of congenital central hypoventilation syndrome (CCHS) [MIM:209880]; also known as congenital failure of autonomic control or Ondine curse. CCHS is a rare disorder characterized by abnormal control of respiration in the absence of neuromuscular or lung disease, or an identifiable brain stem lesion. A deficiency in autonomic control of respiration results in inadequate or negligible ventilatory and arousal responses to hypercapnia and hypoxemia.
<b>配列類似性</b>	Belongs to the TGF-beta family. GDNF subfamily.
<b>細胞内局在</b>	Secreted.

## 画像



Western blot - Anti-GDNF antibody [EPR2714(N)] (ab176564)

**All lanes :** Anti-GDNF antibody [EPR2714(N)] (ab176564) at 1/1000 dilution

**Lane 1 :** SH-SY5Y cell lysate

**Lane 2 :** HepG2 cell lysate

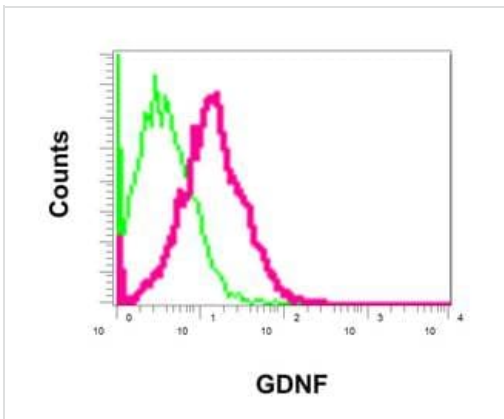
Lysates/proteins at 10 µg per lane.

**Secondary**

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

Developed using the ECL technique.





**Predicted band size:** 24 kDa



Flow Cytometry (Intracellular) - Anti-GDNF antibody [EPR2714(N)] (ab176564)

Intracellular Flow Cytometry analysis of permeabilized SH-SY5Y cells labeling GDNF (red) with ab176564 at a 1/10 dilution, or negative control rabbit IgG (green)

**Why choose a recombinant antibody?**

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-GDNF antibody [EPR2714(N)] (ab176564)

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

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