

Recombinant Human/Murine/Rat BDNF protein (Active) ab9794

18 References **画像数 1**

製品の詳細

製品名	Recombinant Human/Murine/Rat BDNF protein (Active)
生理活性	Determined by its ability to bind recombinant human TrkB Fc Chimera in a functional ELISA. The active form of BDNF is a 27.0 kDa, dimer formed by two identical 119 amino acid subunits that is held together by strong hydrophobic interactions.
精製度	> 98 % SDS-PAGE. > 98% pure HPLC analyses.
エンドトキシン・レベル	< 1.000 Eu/μg
発現系	Escherichia coli
アクセッション番号	<u>P23560</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
配列	MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR
予測される分子量	27 kDa
領域	129 to 247
配列の追加情報	aa 129 to 247 refers to the full length mature form. This product does not contain signal peptide or propeptide.

特性

Our **Abpromise guarantee** covers the use of **ab9794** 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	HPLC
	Cellular Activation
	SDS-PAGE
	Western blot
製品の状態	Lyophilized

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

関連情報

機能

During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. The versatility of BDNF is emphasized by its contribution to a range of adaptive neuronal responses including long-term potentiation (LTP), long-term depression (LTD), certain forms of short-term synaptic plasticity, as well as homeostatic regulation of intrinsic neuronal excitability.

組織特異性

Brain. Highly expressed in hippocampus, amygdala, cerebral cortex and cerebellum. Also expressed in heart, lung, skeletal muscle, testis, prostate and placenta.

関連疾患

Bulimia nervosa 2
Congenital central hypoventilation syndrome

配列類似性

Belongs to the NGF-beta family.

翻訳後修飾

The propeptide is N-glycosylated and glycosulfated.
Converted into mature BDNF by plasmin (PLG).

細胞内局在

Secreted.

画像



Western blot - Recombinant Human/Murine/Rat BDNF protein (ab9794)

Rabbit Anti-BDNF antibody at 1 µg/ml + Recombinant Human/Murine/Rat BDNF protein (Active) (ab9794) at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 4 minutes

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

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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