

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

18 References 1 图像

描述	
产品名称	重组人/Murine/大鼠BDNF蛋白(Active)
生物活性	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.
纯度	> 98 % SDS-PAGE. > 98% pure HPLC analyses.
内毒素水平	< 1.000 Eu/μg
表达系统	Escherichia coli
Accession	P23560
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
序列	MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR
预测分子量	27 kDa
氨基酸	129 to 247
额外的序列信息	aa 129 to 247 refers to the full length mature form. This product does not contain signal peptide or propeptide.

技术指标	
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.	
应用	HPLC Cellular Activation SDS-PAGE Western blot
形式	Lyophilized

制备和贮存

稳定性和存储

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.

复溶

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.

常规信息

功能

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.

组织特异性

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

疾病相关

Bulimia nervosa 2
Congenital central hypoventilation syndrome

序列相似性

Belongs to the NGF-beta family.

翻译后修饰

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

细胞定位

Secreted.

图片



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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