abcam

Product datasheet

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 LSVCDSISEW 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

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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 4C for 1 week or -20C 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

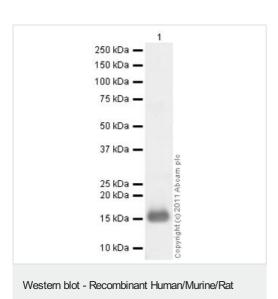
序列相似性 Belongs to the NGF-beta family.

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



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

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