

Recombinant human TrkB protein ab56652

1 References **4 图像**

描述

产品名称	重组人TrkB蛋白
纯度	> 80 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<u>Q16620-1</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
氨基酸	455 to 822

技术指标

Our **Abpromise guarantee** covers the use of **ab56652** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	<u>ab204877</u> (Poly (4:1 Glu, Tyr) peptide) can be utilized as a substrate for assessing kinase activity

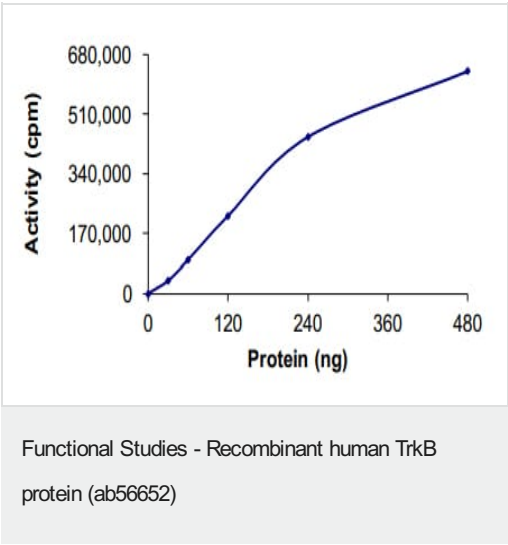
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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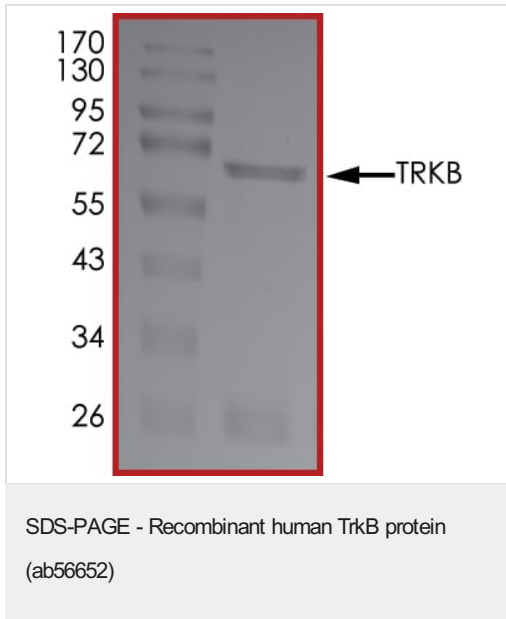
常规信息

功能	Receptor for brain-derived neurotrophic factor (BDNF), neurotrophin-3 and neurotrophin-4/5 but not nerve growth factor (NGF). Involved in the development and/or maintenance of the nervous system. This is a tyrosine-protein kinase receptor. Known substrates for the TRK receptors are SHC1, PI-3 kinase, and PLC-gamma-1.
组织特异性	Isoform TrkB is widely expressed, mainly in the nervous tissue. In the CNS, expression is observed in the cerebral cortex, hippocampus, thalamus, choroid plexus, granular layer of the cerebellum, brain stem, and spinal cord. In the peripheral nervous system, it is expressed in many cranial ganglia, the ophtalmic nerve, the vestibular system, multiple facial structures, the submaxillary glands, and dorsal root ganglia. Isoform TrkB-T1 is expressed in multiple tissues, mainly in brain, pancreas, kidney and heart. Isoform TrkB-T-Shc is predominantly expressed in brain.
序列相似性	<p>Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 2 Ig-like C2-type (immunoglobulin-like) domains.</p> <p>Contains 2 LRR (leucine-rich) repeats.</p> <p>Contains 1 LRRCT domain.</p> <p>Contains 1 LRRNT domain.</p> <p>Contains 1 protein kinase domain.</p>
翻译后修饰	Ligand-mediated auto-phosphorylation.
细胞定位	Membrane.

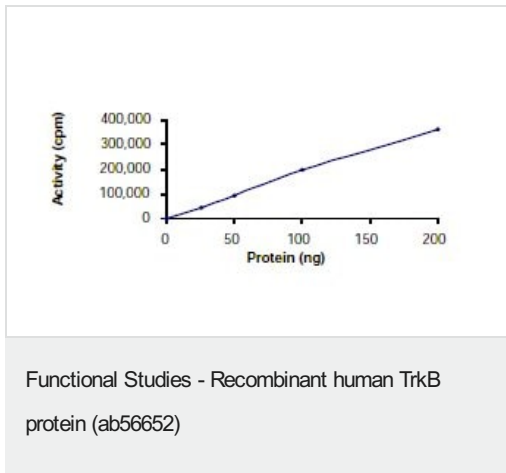
图片



The specific activity of TrkB (ab56652) was determined to be 85 nmol/min/mg as per activity assay protocol



SDS PAGE analysis of ab56652



Kinase Assay; Specific Activity 74nmol/min/mg

SDS Page analysis of ab56652.



SDS-PAGE - Recombinant human TrkB protein
(ab56652)

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