

Recombinant Human Stathmin 1 protein ab125559

1 图像

描述

产品名称	重组人Stathmin 1蛋白
纯度	> 90 % Densitometry. ab125559 is >90% pure.
表达系统	Escherichia coli
Accession	<u>P16949</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	19 kDa
氨基酸	1 to 149
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab125559** in the following tested applications.

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

应用	Western blot
	SDS-PAGE
形式	Liquid

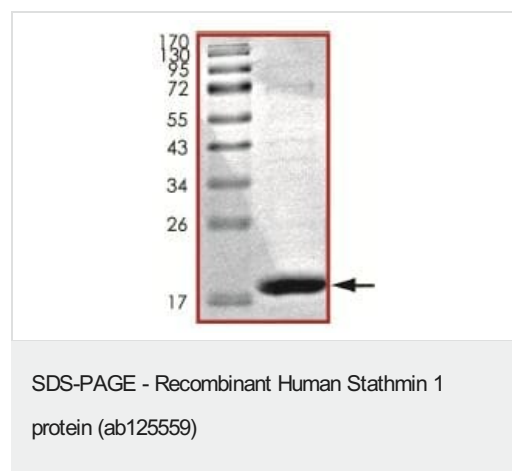
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.5 Preservative: 1.02% Imidazole Constituents: 1.75% Sodium chloride, 25% Glycerol (glycerin, glycerine), 0.004% DTT, 0.81% Sodium phosphate, 0.002% PMSF
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常规信息

功能	Involved in the regulation of the microtubule (MT) filament system by destabilizing microtubules. Prevents assembly and promotes disassembly of microtubules. Phosphorylation at Ser-16 may be required for axon formation during neurogenesis. Involved in the control of the learned and innate fear.
组织特异性	Ubiquitous. Expression is strongest in fetal and adult brain, spinal cord, and cerebellum, followed by thymus, bone marrow, testis, and fetal liver. Expression is intermediate in colon, ovary, placenta, uterus, and trachea, and is readily detected at substantially lower levels in all other tissues examined. Lowest expression is found in adult liver. Present in much greater abundance in cells from patients with acute leukemia of different subtypes than in normal peripheral blood lymphocytes, non-leukemic proliferating lymphoid cells, bone marrow cells, or cells from patients with chronic lymphoid or myeloid leukemia.
序列相似性	Belongs to the stathmin family. Contains 1 SLD (stathmin-like) domain.
翻译后修饰	Many different phosphorylated forms are observed depending on specific combinations among the sites which can be phosphorylated. MAPK is responsible for the phosphorylation of stathmin in response to NGF. Phosphorylation at Ser-16 seems to be required for neuron polarization (By similarity). Phosphorylation at Ser-63 reduces tubulin binding 10-fold and suppresses the MT polymerization inhibition activity.
细胞定位	Cytoplasm > cytoskeleton.

图片



SDS PAGE analysis of ab125559 (Stathmin 1 protein).

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

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