abcam

Product datasheet

Recombinant rat Hsp60 protein ab92365

3 图像

描述

产品名称	重组大鼠Hsp60蛋白
生物活性	ATPase Activity Assay: Positive
纯度	> 85 % SDS-PAGE. >85% pure as determined by SDS-PAGE and Western blot analyses. Purified by multi-step chromatography. This protein does not contain E. coli GroEL as demonstrated by western blot analysis.
表达系统	Escherichia coli
Accession	P63039
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Rat
预测分子量	60 kDa

技术指标

Our **Abpromise guarantee** covers the use of **ab92365** 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 Functional Studies SDS-PAGE
形式	Liquid

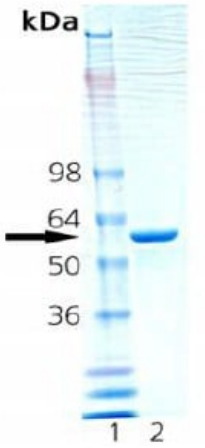
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. Constituents: 0.00174% PMSF, 0.0154% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.79% Tris HCl, 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能	Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix.
疾病相关	Defects in HSPD1 are a cause of spastic paraplegia autosomal dominant type 13 (SPG13) [MIM:605280]. Spastic paraplegia is a degenerative spinal cord disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs. Defects in HSPD1 are the cause of leukodystrophy hypomyelinating type 4 (HLD4) [MIM:612233]; also called mitochondrial HSP60 chaperonopathy or MitCHAP-60 disease. HLD4 is a severe autosomal recessive hypomyelinating leukodystrophy. Clinically characterized by infantile-onset rotary nystagmus, progressive spastic paraplegia, neurologic regression, motor impairment, profound mental retardation. Death usually occurrs within the first two decades of life.
序列相似性	Belongs to the chaperonin (HSP60) family.
细胞定位	Mitochondrion matrix.

图片

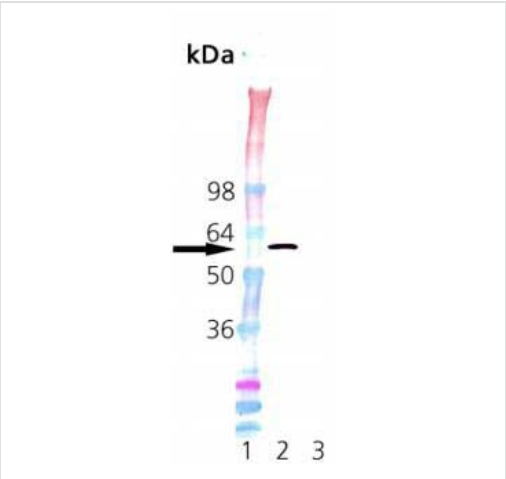


SDS-PAGE - Recombinant rat Hsp60 protein (ab92365)

SDS-PAGE Analysis:

Lane 1: Molecular weight markers

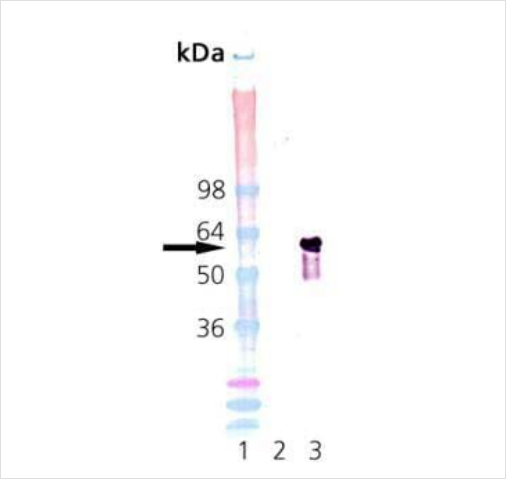
Lane 2: ab92365 at 2.0 µg



Western blot - Recombinant rat Hsp60 protein (ab92365)

All lanes : Hsp60 monoclonal antibody at 1 µg/ml

Lane 1 : Molecular weight markers
Lane 2 : ab92365 at 0.1 µg
Lane 3 : E. coli GroEL Protein at 0.1 µg



Western blot - Recombinant rat Hsp60 protein (ab92365)

All lanes : GroEL monoclonal antibody at 1 µg/ml

Lane 1 : Molecular weight markers
Lane 2 : ab92365 at 0.1 µg
Lane 3 : E. coli GroEL Protein at 0.1 µg

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