abcam

Product datasheet

Recombinant Mouse Hsp27 protein ab92457

1 References　画像数 2

製品の詳細

製品名	Recombinant Mouse Hsp27 protein
精製度	> 90 % SDS-PAGE. Purified by multi-step chromatography. > 90% pure as determined by SDS-PAGE and Western Blot analysis.
発現系	Escherichia coli
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Mouse

特性

Our **Abpromise guarantee** covers the use of **ab92457** in the following tested applications.

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

アプリケーション	Western blot SDS-PAGE
製品の状態	Liquid

前処理および保存

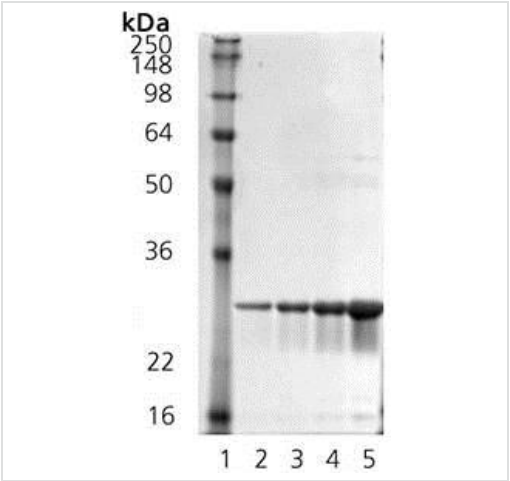
保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. Constituent: 2.68% PBS

関連情報

機能	Involved in stress resistance and actin organization.
組織特異性	Detected in all tissues tested: skeletal muscle, heart, aorta, large intestine, small intestine, stomach, esophagus, bladder, adrenal gland, thyroid, pancreas, testis, adipose tissue, kidney, liver, spleen, cerebral cortex, blood serum and cerebrospinal fluid. Highest levels are found in the heart and in tissues composed of striated and smooth muscle.

関連疾患	Defects in HSPB1 are the cause of Charcot-Marie-Tooth disease type 2F (CMT2F) [MIM:606595]. CMT2F is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT2 group are characterized by signs of axonal regeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy. Nerve conduction velocities are normal or slightly reduced. CMT2F onset is between 15 and 25 years with muscle weakness and atrophy usually beginning in feet and legs (peroneal distribution). Upper limb involvement occurs later. CMT2F inheritance is autosomal dominant. Defects in HSPB1 are a cause of distal hereditary motor neuronopathy type 2B (HMN2B) [MIM:608634]. Distal hereditary motor neuronopathies constitute a heterogeneous group of neuromuscular disorders caused by selective impairment of motor neurons in the anterior horn of the spinal cord, without sensory deficit in the posterior horn. The overall clinical picture consists of a classical distal muscular atrophy syndrome in the legs without clinical sensory loss. The disease starts with weakness and wasting of distal muscles of the anterior tibial and peroneal compartments of the legs. Later on, weakness and atrophy may expand to the proximal muscles of the lower limbs and/or to the distal upper limbs.
配列類似性	Belongs to the small heat shock protein (HSP20) family.
翻訳後修飾	Phosphorylated in MCF-7 cells on exposure to protein kinase C activators and heat shock.
細胞内局在	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > spindle. Cytoplasmic in interphase cells. Colocalizes with mitotic spindles in mitotic cells. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

画像



SDS-PAGE - Recombinant Mouse Hsp27 protein (ab92457)

SDS-PAGE Analysis:

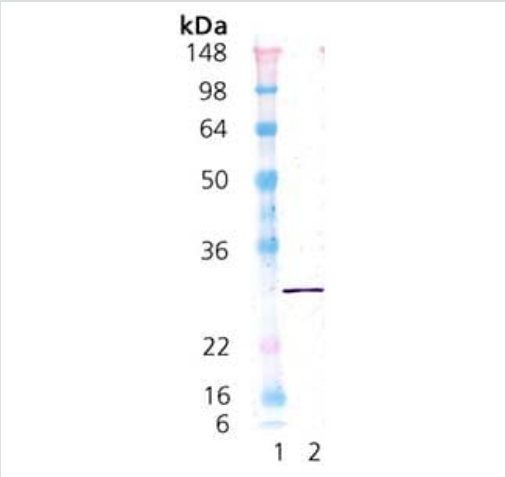
Lane 1: Molecular weight marker

Lane 2: 0.5 µg ab92457

Lane 3: 1.0 µg ab92457

Lane 4: 2.0 µg ab92457

Lane 5: 5.0 µg ab92457



Western blot - Recombinant Mouse Hsp27 protein (ab92457)

All lanes : anti-Hsp25 Polyclonal Antibody

Lane 1 : Molecular weight markers

Lane 2 : ab92457 at 0.01 µg

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