产品名称：HSPB8/HSP22(2C3)Mouse Monoclonal Antibody
产品货号：AMM12270

产品概述（Summary）

产品名称（Production Name）	HSPB8/HSP22(2C3)Mouse Monoclonal Antibody
描述（Description）	Mouse monoclonal Antibody
宿主（Host）	Mouse
应用（Application）	WB
种属反应性（Reactivity）	Human,Rat,Mouse

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	HSPB8
别名（Alternative Names）	HSPB8; CRYAC; E2IG1; HSP22; PP1629; Heat shock protein beta-8; HspB8; Alpha-crystallin C chain; E2-induced gene 1 protein; Protein kinase H11; Small stress protein-like protein HSP22
基因 ID（Gene ID）	26353.0
蛋白 ID（SwissProt ID）	Q9UJY1.Recombinant Protein of HSPB8/HSP22

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:1000-1:2000
蛋白分子量（Molecular Weight）	22kDa

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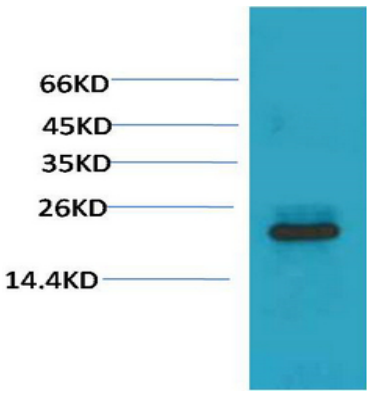
研究背景（Background）

The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene in induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease. [provided by RefSeq, Jul 2008],caution:Was reported (PubMed:10833516) to have a protein kinase activity and to act as a Mn(2+)-dependent serine-threonine-specific protein kinase.,disease:Defects in HSPB8 are the cause of Charcot-Marie-Tooth disease type 2L (CMT2L) [MIM:608673]. CMT2L is an axonal form of Charcot-Marie-Tooth disease. Axonal CMT neuropathies 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.,disease:Defects in HSPB8 are the cause of distal hereditary motor neuronopathy type 2A (HMN2A) [MIM:158590]; also known as distal hereditary motor neuropathy type IIA or spinal Charcot-Marie-Tooth disease IIA. 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.,function:Displays temperature-dependent chaperone activity.,induction:By 17-beta-estradiol.,PTM:Phosphorylated.,similarity:Belongs to the small heat shock protein (HSP20) family.,subunit:Monomer. Interacts with HSPB1.,tissue specificity:Predominantly expressed in skeletal muscle and heart.,

研究领域（Research Area）

Signal Transduction

图片（Image Data）



Western blot analysis of 293T with HSPB8/HSP22 Mouse mAb diluted at 1:2,000.

注意事项（Note）

For research use only .