Best Tools for immunology Research

HSPB8/HSP22 Monoclonal Antibody(2C3)

Catalog No :	YM3525
Reactivity :	Human;Rat;Mouse
Applications :	WB
Target :	HSPB8
Gene Name :	HSPB8
Protein Name :	Heat shock protein beta-8 (HspB8) (Alpha-crystallin C chain) (E2-induced gene 1 protein) (Protein kinase H11) (Small stress protein-like protein HSP22)
Human Gene Id :	26353
Human Swiss Prot No :	Q9UJY1
Mouse Swiss Prot No :	Q9JK92
Rat Swiss Prot No :	Q9EPX0
Immunogen :	Recombinant Protein of HSPB8/HSP22
Specificity :	HSPB8/HSP22 protein detects endogenous levels of HSPB8/HSP22
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 22kD

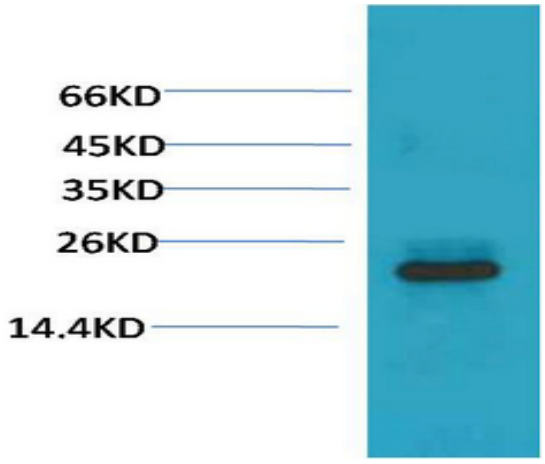
Background : The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene in induced by estrogen in estrogen receptor-positive breast cancer cells, and this 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],

Function : 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 ante

Subcellular Location : Cytoplasm . Nucleus . Translocates to nuclear foci during heat shock.

Expression : Predominantly expressed in skeletal muscle and heart.

Products Images



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