

HSPB1 monoclonal antibody, clone 8A7

Catalog # MAB2184

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of HSPB1.
Immunogen	A synthetic peptide corresponding to HSPB1.
Host	Mouse
Reactivity	Bovine, Dog, Guinea pig, Hamster, Human, Mouse, Rat
Specificity	Some cross-reactivity with alpha B crystallin.
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.2 ug/mL) Immunofluorescence (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunofluorescence

Gene Info — HSPB1

Entrez GeneID	3315
Gene Name	HSPB1
Gene Alias	CMT2F, DKFZp586P1322, HMN2B, HS.76067, HSP27, HSP28, Hsp25, SRP27
Gene Description	heat shock 27kDa protein 1
Omim ID	602195 606595 608634
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is induced by environmental stress and developmental changes . The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN). [provided by RefSeq]
Other Designations	OTTHUMP00000024846 estrogen-regulated 24 kDa protein heat shock 27kD protein 1 heat shock protein beta-1 stress-responsive protein 27

Pathway

- [MAPK signaling pathway](#)
- [VEGF signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Charcot-Marie-Tooth Disease](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Small Cell Lung Carcinoma](#)