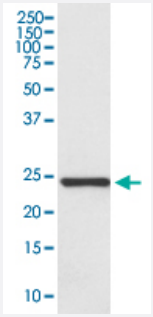
HSPB8 monoclonal antibody, clone IOD-8

Catalog # MAB20352 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human fetal heart tissue lysate with HSPB8 monoclonal antibody, clone IOD-8 (Cat # MAB20352).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human HSPB8.
Immunogen	A synthetic peptide corresponding to human HSPB8.
Host	Rabbit
Theoretical MW (kDa)	21.604
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence
- Immunocytochemistry
- Western Blot (Tissue lysate)

  Western Blot analysis of human fetal heart tissue lysate with HSPB8 monoclonal antibody, clone IOD-8 (Cat # MAB20352).

Gene Info — HSPB8

Entrez GeneID	26353
Protein Accession#	Q9UJY1
Gene Name	HSPB8
Gene Alias	CMT2L, DHMN2, E2IG1, H11, HMN2, HMN2A, HSP22
Gene Description	heat shock 22kDa protein 8
Omim ID	158590 608014 608673
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containi ng a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression o f this gene in induced by estrogen in estrogen receptor-positive breast cancer cells, and this prote in 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
Other Designations	E2-induced gene 1|heat shock 27kDa protein 8|heat shock protein beta-8|protein kinase H11|sm all stress protein-like protein HSP22

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Disease

- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Lung Neoplasms
- Neoplasm Recurrence
- Neoplasms
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Werner syndrome

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