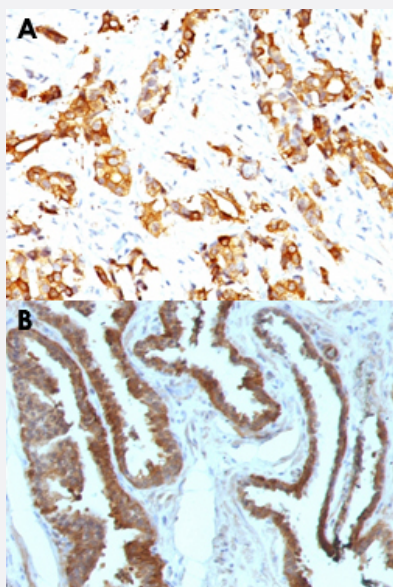


HSPB1 monoclonal antibody, clone HSPB1/774

Catalog # MAB13310 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast carcinoma (A) and human prostate carcinoma (B) with HSPB1 monoclonal antibody, clone HSPB1/774 (Cat # MAB13310).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human HSPB1.
Immunogen	Recombinant protein corresponding to full length human HSPB1.
Host	Mouse
Theoretical MW (kDa)	27
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ cells in 0.1 mL)
Immunofluorescence (0.5-1 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)
Western Blot (0.25-0.5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer

In 10 mM PBS (0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast carcinoma (A) and human prostate carcinoma (B) with HSPB1 monoclonal antibody, clone HSPB1/774 (Cat # MAB13310).

- Immunofluorescence

- Flow Cytometry

Gene Info — HSPB1

Entrez GeneID

[3315](#)

Protein Accession#

[P04792](#)

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](#)