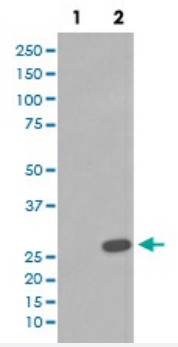
HSPB1 (phospho S78) monoclonal antibody, clone IBC-8

Catalog # MAB20528 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of (1) A431 cell lysate, (2) A431 cell lysate treated with Anisomycin using HSPB1 (phospho S78) monoclonal antibody, clone IBC-8.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human HSPB1.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S78 of human HSPB1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) 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, 0.4-0.5 mg/mL BSA, 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 (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot analysis of (1) A431 cell lysate, (2) A431 cell lysate treated with Anisomycin using HSPB1 (phospho S78) monoclonal antibody, clone IBC-8.

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 fro m 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). [provide d by RefSeq
Other Designations	OTTHUMP00000024846|estrogen-regulated 24 kDa protein|heat shock 27kD protein 1|heat sho ck protein beta-1|stress-responsive protein 27

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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

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