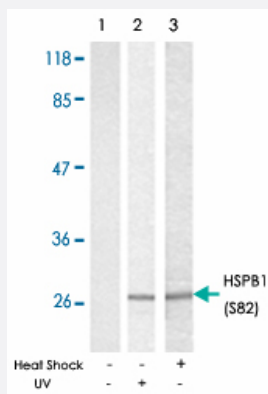


HSPB1 (phospho S82) polyclonal antibody

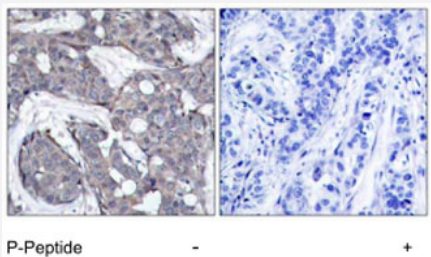
Catalog # PAB25837 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells treated with heat shock or UV using HSPB1 (phospho S82) polyclonal antibody (Cat # PAB25837).



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSPB1 (phospho S82) polyclonal antibody (Cat # PAB25837).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of HSPB1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S82 of human HSPB1.
Sequence	Q-L-Sp-S-G
Host	Rabbit
Theoretical MW (kDa)	27
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% 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 (Cell lysate)

Western blot analysis of extracts from HeLa cells treated with heat shock or UV using HSPB1 (phospho S82) polyclonal antibody (Cat # PAB25837).

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using HSPB1 (phospho S82) polyclonal antibody (Cat # PAB25837).

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](#)