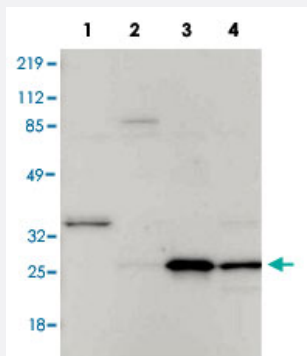


HSPB1 polyclonal antibody

Catalog # PAB30258 Size 100 uL

Applications



Western Blot (Tissue lysate)

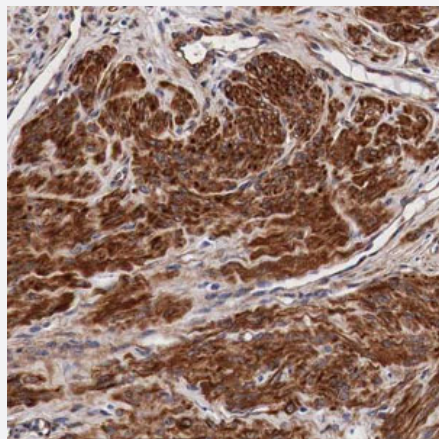
Western Blot (Cell lysate) analysis with HSPB1 polyclonal antibody (Cat # PAB30258) at 1:250 - 1:500 dilution

Lane 1: Human cell line RT-4

Lane 2: Human cell line EFO-21

Lane 3: Human cell line A-431

Lane 4: Human liver tissue



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human smooth muscle with HSPB1 polyclonal antibody (Cat # PAB30258) shows strong cytoplasmic positivity in smooth muscle cells at 1:50 - 1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human HSPB1.
Immunogen	Recombinant protein corresponding to amino acids of human HSPB1.
Sequence	EEWSQWLGGSSWPGYVRPLPPAAIESPAVAAPAYSRALSRQLSSGVSEIRHTADRWRVSLDVN HFAPDELTVKTKDGVVEITGKHEERQDEHGYISRCFTRKYTLPPGVDPTQVSS
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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 (Tissue lysate)

Western Blot (Cell lysate) analysis with HSPB1 polyclonal antibody (Cat # PAB30258) at 1:250 - 1:500 dilution

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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](#)