

Product datasheet for **TA813405M**

HSP27 (HSPB1) Mouse Monoclonal Antibody [Clone ID: OTI8D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8D6
Applications:	IHC, WB
Recommended Dilution:	WB 1:500-1000
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HSPB1 (NP_001531) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22.8 kDa
Gene Name:	heat shock protein family B (small) member 1
Database Link:	NP_001531 Entrez Gene 3315 Human P04792
Background:	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, Oct 2008].

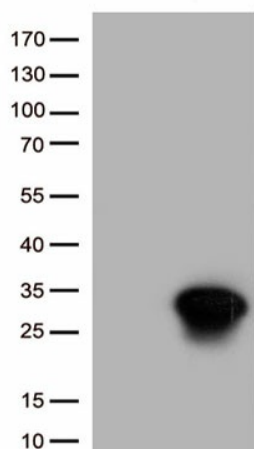


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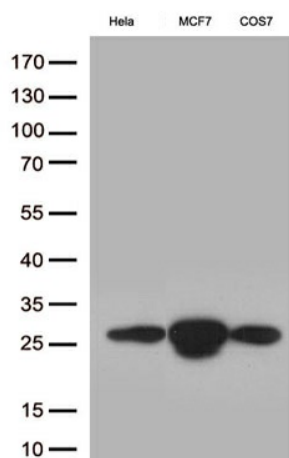
Synonyms: CMT2F; HEL-S-102; HMN2B; HS.76067; Hsp25; HSP27; HSP28; SRP27

Protein Pathways: MAPK signaling pathway, VEGF signaling pathway

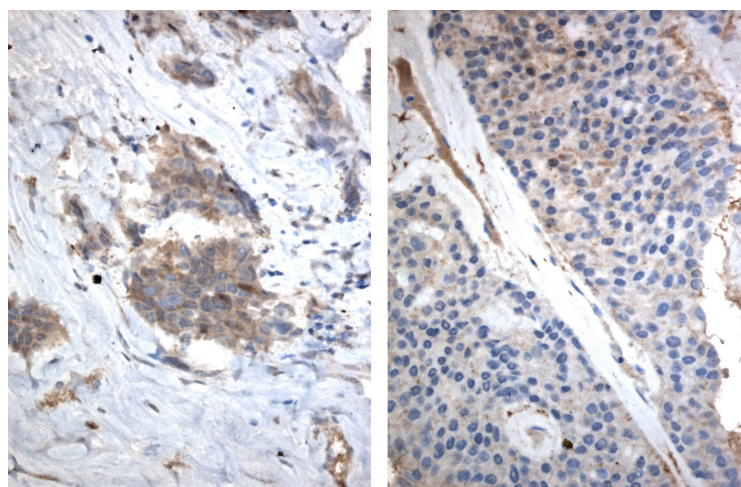
Product images:



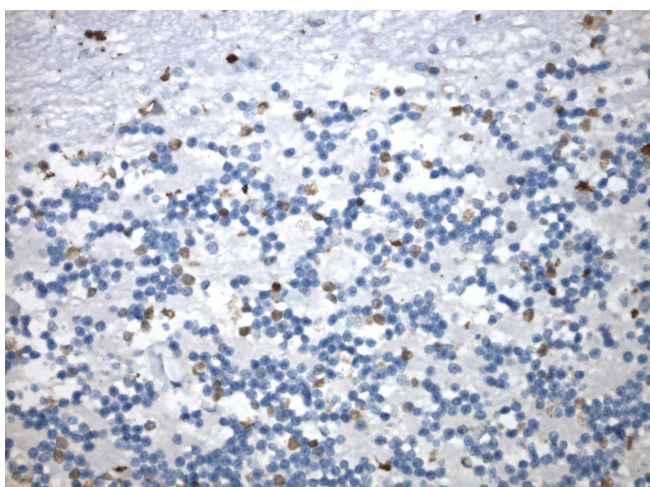
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HSPB1 ([RC201800], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HSPB1.(1:1000)



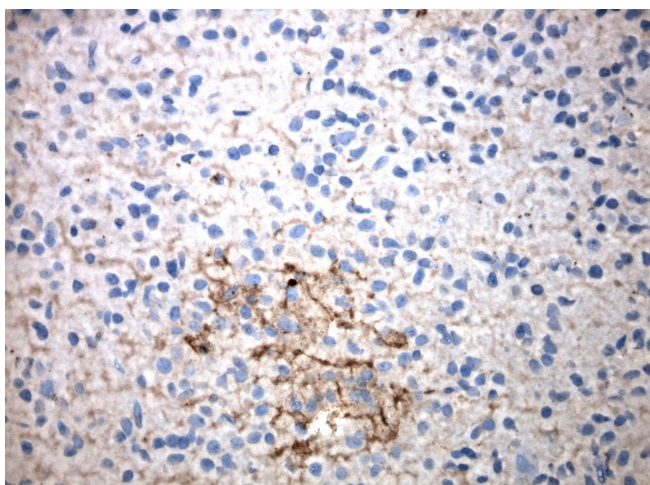
Western blot analysis of extracts (35ug) from 3 cell lines lysates by using anti-HSPB1 monoclonal antibody. (1:500)



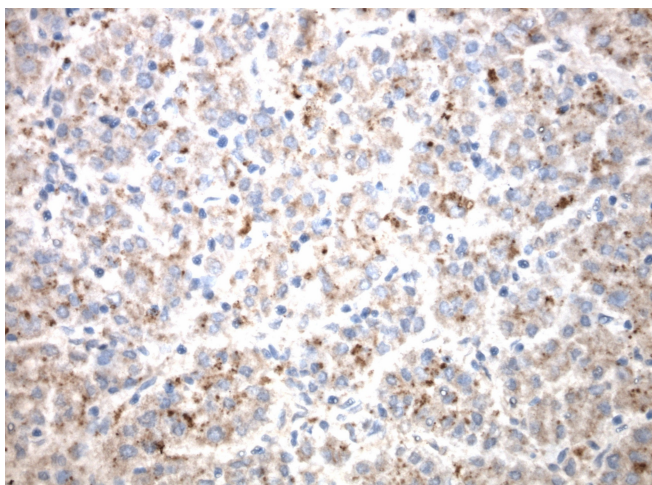
Immunohistochemical staining of two positive paraffin-embedded breast cancer using anti-HSPB1 antibody [TA813405] clone OTI8D6 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-HSPB1 at 1:400 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded cerebellum/nl brain using anti-HSPB1 antibody [TA813405] clone OTI8D6 mouse monoclonal antibody. HIER TEE pH9.0 (cat# [B21-100]) and anti-HSPB1 at 1:400 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded glioma using anti-HSPB1 antibody [TA813405] clone OTI8D6 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-HSPB1 at 1:400 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.



Immunohistochemical staining of paraffin-embedded liver cancer using anti-HSPB1 antibody [TA813405] clone OTI8D6 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-HSPB1 at 1:400 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.