



Catalog: OM641850

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# Anti-HSP27 antibody

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☐ 100 ul ☐ 50 ul

## Product profile

Product name	Anti-HSP27 antibody
Antibody Type	Primary Antibodies
Immunogen	Polypeptide

## Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	ELISA ,ICC/IF ,IHC ,WB
Species Reactivity	Human Mouse Rat
Concentration	1 mg/ml
Purification	Protein A

## Target Information

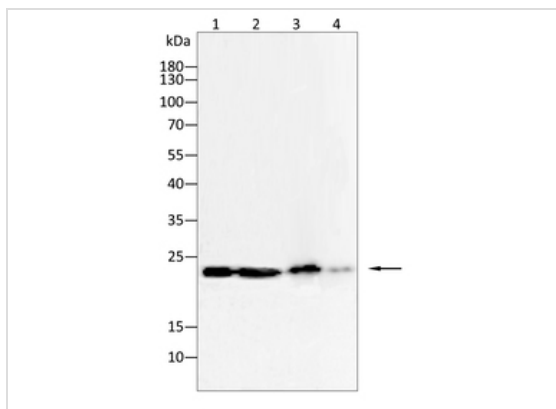
Gene Symbol	HSPB1
Gene Synonyms	CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102
Gene Full Name	heat shock protein family B (small) member 1
Gene Summary	<p>This gene encodes a member of the small heat shock protein (HSP20) family of proteins. In response to environmental stress, the encoded protein translocates from the cytoplasm to the nucleus and functions as a molecular chaperone that promotes the correct folding of other proteins. This protein plays an important role in the differentiation of a wide variety of cell types. Expression of this gene is correlated with poor clinical outcome in multiple human cancers, and the encoded protein may promote cancer cell proliferation and metastasis, while protecting cancer cells from apoptosis. Mutations in this gene have been identified in human patients with Charcot-Marie-Tooth disease and distal hereditary motor neuropathy. [provided by RefSeq, Aug 2017]</p>
Molecular Weight (MW)	23 kDa

Molecular Weight: 25 kDa

Source: Rabbit

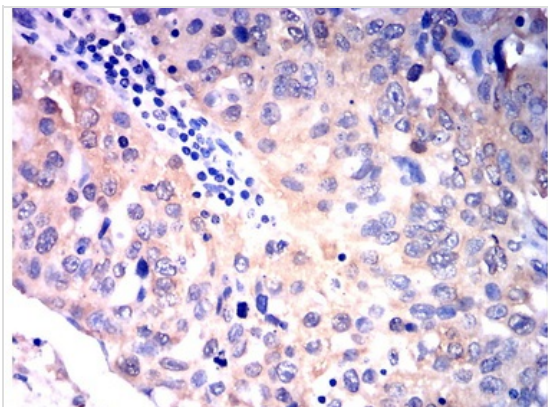
Cellular Localization: Cytoplasm, Cytoskeleton, Nucleus

## Application



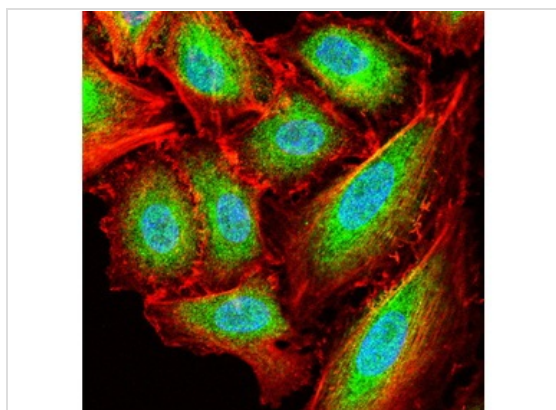
### WB

Western blot analysis using HSP27 antibody against Hela (1), A549 (2), HepG2 (3), K562 (4) cell lysate.



### IHC

Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using HSP27 antibody with DAB staining.



### ICC/IF

Immunofluorescence analysis of A549 cells using HSP27 antibody (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

Application Notes: WB:1:200-1:2000

IHC:1:200-1:1000

ICC/IF:1:100-1:500

## Additional Information

Form: Liquid

Storage Instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze / thaw cycle.

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

**Note**

The product is for research use only,not for use in diagnostic or therapeutic procedures.

# OmnimAbs.com

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

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