HSPB1 Antibody

Catalog No: #32036

Package Size: #32036-1 50ul #32036-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

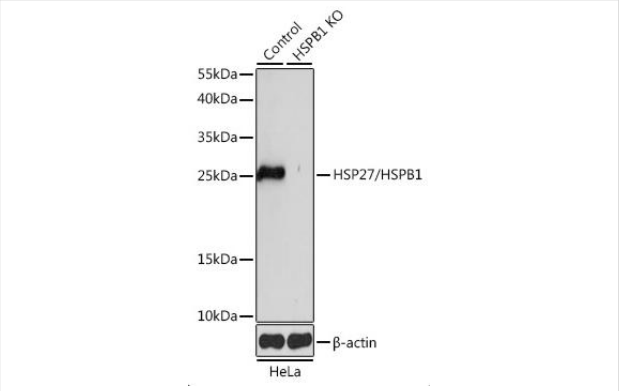
Product Name	HSPB1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity purification
Applications	WB,IF/ICC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total HSPB1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HSPB1.
Target Name	HSPB1
Other Names	HSPB1; CMT2F; HS.76067; HMN2B;
Accession No.	Swiss-Prot:P04792NCBI Gene ID:3315
SDS-PAGE MW	27KD
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C

Application Details

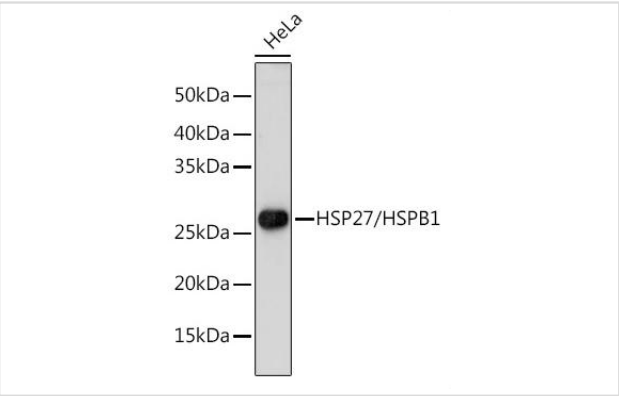
WB 1:500 - 1:1000

IF/ICC 1:50 - 1:200

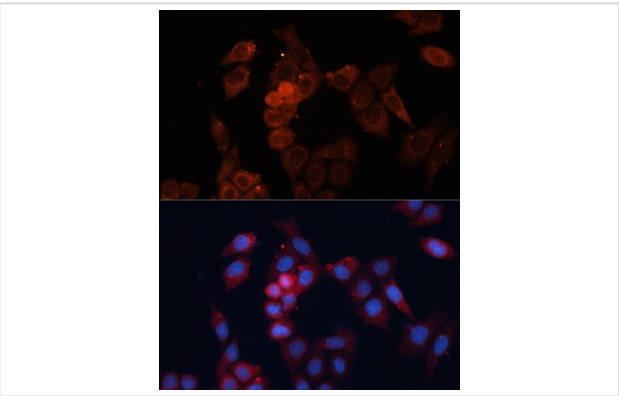
Images



Western blot analysis of extracts from normal (control) and HSP27/HSP27/HSPB1 knockout (KO) HeLa cells, at 1:1000 dilution.



Western blot analysis of extracts of HeLa cells, using HSPB1 antibody at 1:1000 dilution.



Immunofluorescence analysis of HeLa cells using HSPB1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.