

Product Name: KD-Validated HSP90B1 Mouse Monoclonal Antibody**Catalog #: KVA00357**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 92.5kDa

Antigen Information

Gene Name	HSP90B1 HSP90B1; Heat Shock Protein 90 Beta Family Member 1; GRP94; Endoplasmin; GP96; TRA1; Heat Shock Protein 90kDa Beta (Grp94), Member 1; Heat Shock Protein 90 KDa Beta Member 1; Heat Shock Protein Family C Member 4; Tumor Rejection Antigen (Gp96) 1; 94 KDa
Alternative Names	Glucose-Regulated Protein; Tumor Rejection Antigen 1; Epididymis Secretory Sperm Binding Protein Li 125m; Heat Shock Protein 90kDa Beta Family Member 1; Stress-Inducible Tumor Rejection Antigen Gp96; Endothelial Cell (HBMEC) Glycoprotein; Epididymis Luminal Protein 35; Gp96 Homolog; HEL-S-125m; GRP-94; HEL35; HSPC4; ECGP
Gene ID	7184.0
SwissProt ID	P14625
Immunogen	Recombinant protein of human HSP90B1

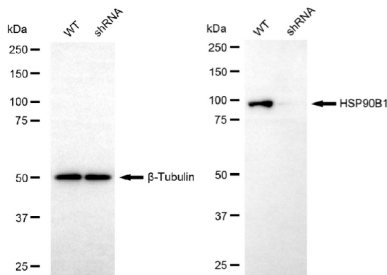
Background

This gene encodes a member of a family of adenosine triphosphate(ATP)-metabolizing molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation. There is a microRNA gene located within the 5' exon of this gene. There are pseudogenes for this gene on chromosomes 1 and 15. [provided by RefSeq, Aug 2012]

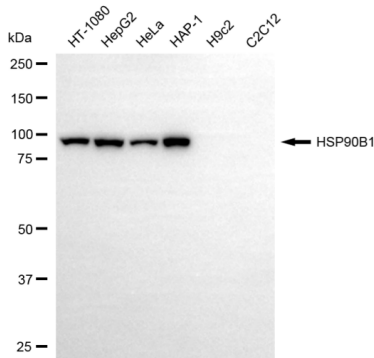
Research Area

Tags & Cell Markers,Signal Transduction,Cancer,Metabolism

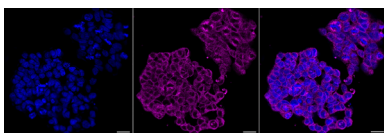
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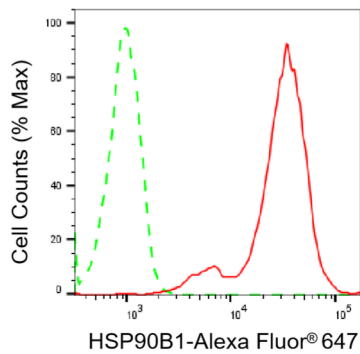
Western blotting analysis using HSP90B1 antibody (KVA00357). HSP90B1 expression in wild-type (WT) and HSP90B1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with HSP90B1 antibody (KVA00357, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using HSP90B1 antibody (KVA00357). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HSP90B1 antibody (KVA00357, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with HSP90B1 antibody(KVA00357, 1:1,000) . Nuclei were stained blue with DAPI; HSP90B1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of HSP90B1 expression in HAP-1 cells using HSP90B1 antibody (KVA00357, 1:2,000). Green, isotype control; red, HSP90B1.