
Product Name: KD-Validated HSPA14 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01542

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 54.8kDa

Antigen Information

Gene Name	HSPA14 HSPA14; Heat Shock Protein Family A (Hsp70) Member 14; HSP70L1; HSP70-4; Heat Shock
Alternative Names	70 KDa Protein 14; Heat Shock Protein HSP60; HSP70-Like Protein 1; Heat Shock Protein Hsp70-Related Protein; Heat Shock 70kDa Protein 14; MSANTD7; HSP60
Gene ID	51182.0
SwissProt ID	Q0VDF9
Immunogen	A synthesized peptide derived from human HSPA14

Background

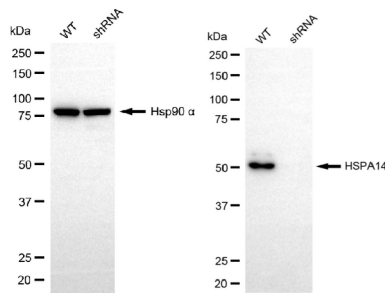
Predicted to enable ATP hydrolysis activity; heat shock protein binding activity; and protein folding chaperone. Predicted to be involved in chaperone cofactor-dependent protein refolding and protein refolding. Located in cytosol and ribosome. [provided

by Alliance of Genome Resources, Apr 2025]

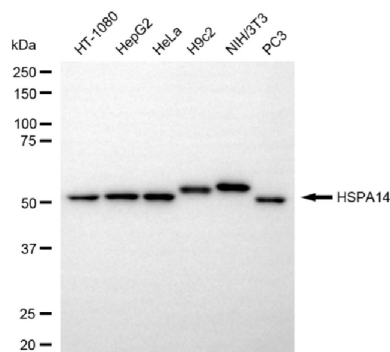
Research Area

Signal Transduction

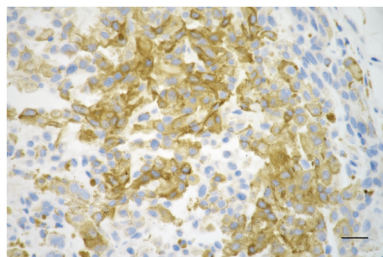
Image Data



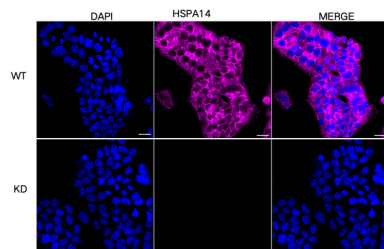
Western blotting analysis using HSPA14 antibody (KVA01542). HSPA14 expression in wild-type (WT) and HSPA14 shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with HSPA14 antibody (KVA01542, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



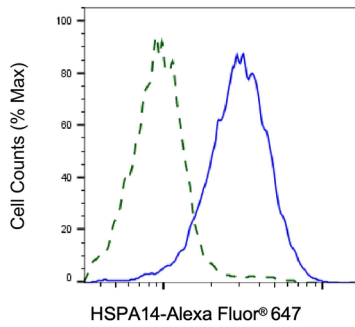
Western blotting analysis using HSPA14 antibody (KVA01542). Total cell lysates (20 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HSPA14 antibody (KVA01542, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



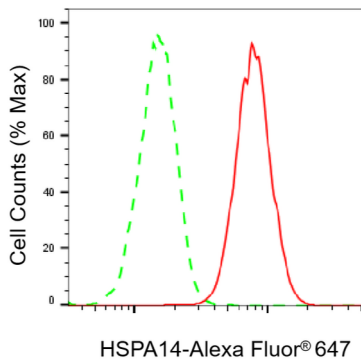
Immunohistochemistry was performed on paraffin-embedded human melanoma using HSPA14 antibody (KVA01542, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HSHC cells using HSPA14 antibody (KVA01542, 1:1,000), Top panel: wild-type (WT); Bottom panel: HSPA14 shRNA knockdown (KD). Nuclei were stained blue with DAPI; HSPA14 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of HSPA14 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HSHC cells were stained with HSPA14 antibody (KVA01542, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of HSPA14 expression in HAP-1 cells using HSPA14 antibody (KVA01542, 1:2,000). Green, isotype control; red, HSPA14.