

Product Name: KD-Validated Helicase Like Transcription Factor Recombinant Rabbit Monoclonal Antibody

Catalog #: KVA01524

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
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
Molecular Weight	Calculated MW: 113.9kDa

Antigen Information

Gene Name	HLTF
Alternative Names	HLTF; Helicase Like Transcription Factor; HIP116A; RNF80; SMARCA3; SNF2L3; HLTF1; SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 3; SWI/SNF-Related Matrix-Associated Actin-Dependent Regulator Of Chromatin Subfamily A Member 3; RING-Type E3 Ubiquitin Transferase HLTF; Sucrose Nonfermenting Protein 2-Like 3; Helicase-Like Transcription Factor; RING Finger Protein 80; HIP116; ZBU1; DNA-Binding Protein/Plasminogen Activator Inhibitor-1 Regulator; DNA-Binding Protein/Plasminogen Activator Inhibitor 1 Regulator; Sucrose Nonfermenting-Like 3; SNF2-Like 3; EC 2.3.2.27; EC 3.6.4.-; EC 3.6.1
Gene ID	6596.0

SwissProt ID

Q14527

Immunogen

A synthesized peptide derived from human HLTF

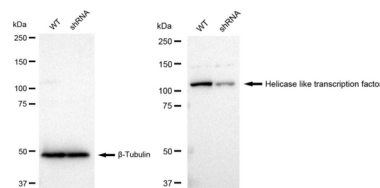
Background

This gene encodes a member of the SWI/SNF family. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein contains a RING finger DNA binding motif. Two transcript variants encoding the same protein have been found for this gene. However, use of an alternative translation start site produces an isoform that is truncated at the N-terminus compared to the full-length protein. [provided by RefSeq, Jul 2008]

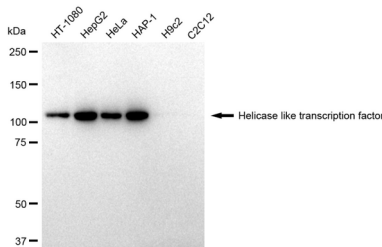
Research Area

Cell Biology, Epigenetics and Nuclear Signaling, Cancer

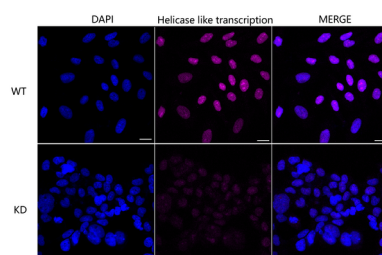
Image Data



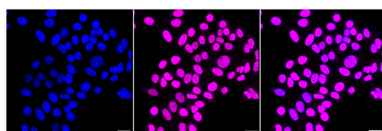
Western blotting analysis using Helicase like transcription factor antibody (KVA01524). Helicase like transcription factor expression in wild type (WT) and helicase like transcription factor shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Helicase like transcription factor antibody (KVA01524, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



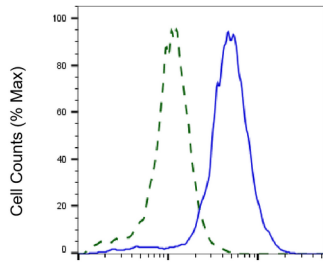
Western blotting analysis using Helicase like transcription factor antibody (KVA01524). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Helicase like transcription factor antibody (KVA01524, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using helicase like transcription factor antibody (KVA01524, 1:1,000). Top panel: wild-type (WT); Bottom panel: helicase like transcription factor shRNA knockdown (KD). Nuclei were stained blue with DAPI; Helicase like transcription factor was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.

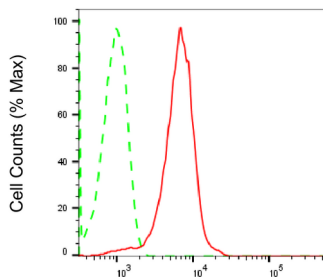


Immunocytochemical staining of HepG2 cells with Helicase like transcription factor antibody (KVA01524, 1:1,000). Nuclei were stained blue with DAPI; Helicase like transcription factor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Helicase like transcription factor-Alexa Fluor® 647

Validation of Helicase like transcription factor knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Helicase like transcription factor antibody (KVA01524, 1:2,000) and analyzed using BD flow cytometer.



Helicase like transcription factor-Alexa Fluor® 647

Flow cytometric analysis of Helicase like transcription factor expression in HepG2 cells using Helicase like transcription factor antibody (KVA01524, 1:2,000). Green, isotype control; red, Helicase like transcription factor.