

Product Name: KD-Validated HHEX Mouse Monoclonal Antibody**Catalog #: KVA00020**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
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 1:2,000-1:10,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 30.0kDa

Antigen Information

Gene Name	HHEX
Alternative Names	HHEX; Hematopoietically Expressed Homeobox; HEX; HOX11L-PEN; PRHX; Hematopoietically-Expressed Homeobox Protein HHEX; Proline-Rich Homeodomain Protein; Homeobox Protein HEX; Homeobox Protein PRH; PRH; Proline-Rich Homeodomain-Containing Transcription Factor; Homeobox, Hematopoietically Expressed; HMPH
Gene ID	3087.0
SwissProt ID	Q03014
Immunogen	Recombinant protein of human Hex

Background

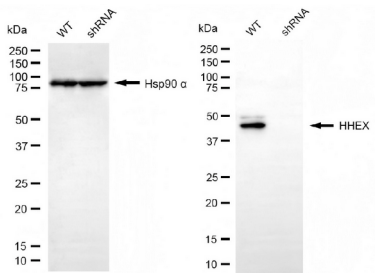
This gene encodes a member of the homeobox family of transcription factors, many of which are involved in developmental

processes. Expression in specific hematopoietic lineages suggests that this protein may play a role in hematopoietic differentiation. [provided by RefSeq, Jul 2008]

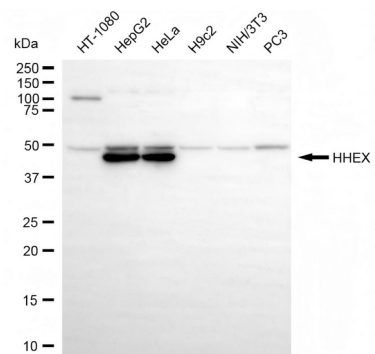
Research Area

Epigenetics and Nuclear Signaling, Stem Cells, Developmental Biology

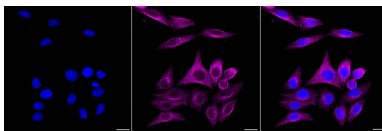
Image Data



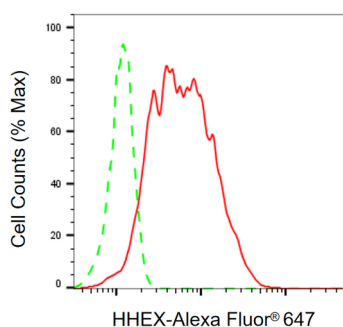
Western blotting analysis using HHEX antibody (KVA00020). HHEX expression in wild type (WT) and HHEX shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with HHEX antibody (KVA00020, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using HHEX antibody (KVA00020). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HHEX antibody (KVA00020, 1:10,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with HHEX antibody (KVA00020, 1:1,000). Nuclei were stained blue with DAPI; HHEX 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 HHEX expression in HepG2 cells using HHEX antibody (KVA00020, 1:2,000). Green, isotype control; red, HHEX.