

Product Name: KD-Validated HEXIM1 Mouse Monoclonal Antibody**Catalog #: KVA00377**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
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; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 40.6kDa

Antigen Information

Gene Name	HEXIM1
Alternative Names	HEXIM1; HEXIM P-TEFb Complex Subunit 1; HIS1; MAQ1; EDG1; Hexamethylene Bis-Acetamide-Inducible Protein 1; Hexamethylene Bisacetamide Inducible 1; Estrogen Down-Regulated Gene 1 Protein; Cardiac Lineage Protein 1; Menage A Quatre Protein 1; Protein HEXIM1; CLP-1; CLP1; Hexamethylene-Bis-Acetamide-Inducible Transcript 1; Hexamethylene Bisacetamide-Inducible Protein; Hexamethylene Bis-Acetamide Inducible 1; Hexamethylene Bis-Acetamide Inducible 1; Menage A Quatre 1; HMBA-Inducible
Gene ID	10614.0
SwissProt ID	O94992
Immunogen	Recombinant protein of human HEXIM1

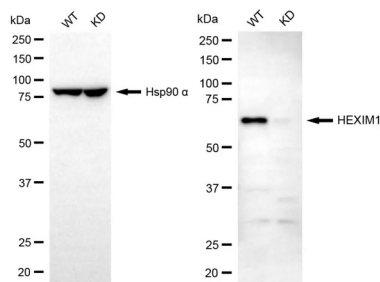
Background

Expression of this gene is induced by hexamethylene-bis-acetamide in vascular smooth muscle cells. This gene has no introns. [provided by RefSeq, Jul 2008]

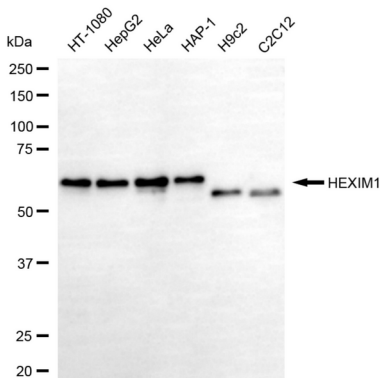
Research Area

Epigenetics and Nuclear Signaling, Cardiovascular

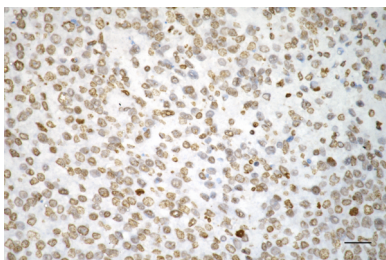
Image Data



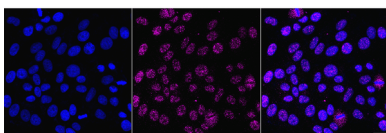
Western blotting analysis using HEXIM1 antibody (KVA00377). HEXIM1 expression in wild-type (WT) and HEXIM1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with HEXIM1 antibody (KVA00377, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



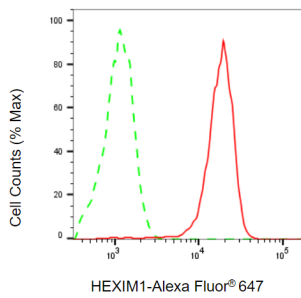
Western blotting analysis using HEXIM1 antibody (KVA00377). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HEXIM1 antibody (KVA00377, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using HEXIM1 antibody (KVA00377, 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 C2C12 cells with HEXIM1 antibody (KVA00377, 1:1,000). Nuclei were stained blue with DAPI; HEXIM1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of HEXIM1 expression in HepG2 cells using HEXIM1 antibody (KVA00377, 1:2,000). Green, isotype control; red, HEXIM1.