

Product Name: KD-Validated FHL1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01204**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,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
Molecular Weight	Calculated MW: 36.3kDa

Antigen Information

Gene Name	FHL1
Alternative Names	FHL1; Four And A Half LIM Domains 1; SLIM1; FHL1B; XMPMA; FLH1A; Four And A Half LIM Domains Protein 1; Skeletal Muscle LIM-Protein 1; LIM Protein SLIMMER; BA535K18.1; MGC111107; SLIM-1; KYO-T; FHL-1; SLIM; Four-And-A-Half Lin11, Isl-1 And Mec-3 Domains 1; Four-And-A-Half LIM Domains 1; SLIMMER; RBMX1A; RBMX1B; FCMSU; FHL1A; KYOT
Gene ID	2273.0
SwissProt ID	Q13642
Immunogen	Recombinant protein of human FHL1

Background

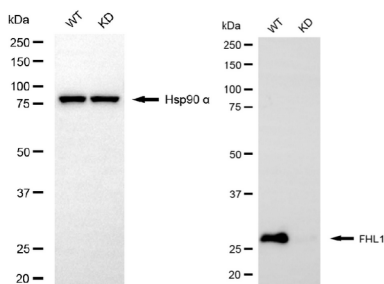
This gene encodes a member of the four-and-a-half-LIM-only protein family. Family members contain two highly conserved,

tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- and tissue-specific mode and these proteins are involved in many cellular processes. Mutations in this gene have been found in patients with Emery-Dreifuss muscular dystrophy. Multiple alternately spliced transcript variants which encode different protein isoforms have been described.[provided by RefSeq, Nov 2009]

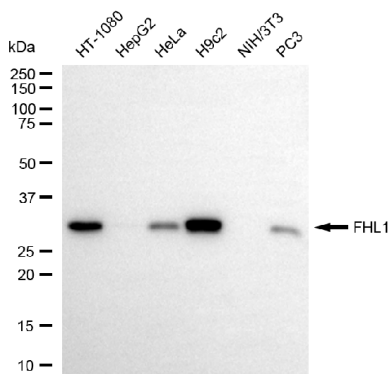
Research Area

Epigenetics and Nuclear Signaling, Cardiovascular

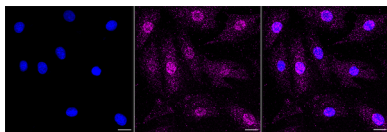
Image Data



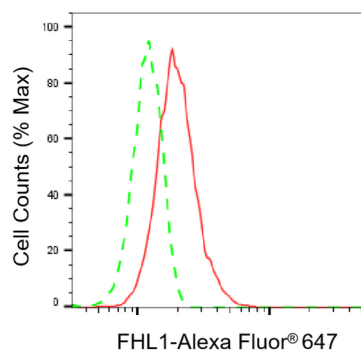
Western blotting analysis using FHL1 antibody (KVA01204). FHL1 expression in wild-type (WT) and FHL1 knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with FHL1 antibody (KVA01204, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using FHL1 antibody (KVA01204). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FHL1 antibody (KVA01204, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9c2 cells with FHL1 antibody (KVA01204, 1:1,000). Nuclei were stained blue with DAPI; FHL1 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 FHL1 expression in H9c2 cells using FHL1 antibody (KVA01204, 1:2,000). Green, isotype control; red, FHL1.