

Product Name: KD-Validated LIM Homeobox 3 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01372

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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
Molecular Weight	Calculated MW: 43.4kDa

Antigen Information

Gene Name	LHX3
Alternative Names	LHX3; LIM Homeobox 3; LIM/Homeobox Protein Lhx3; LIM Homeobox Protein 3; LIM/Homeodomain Protein LHX3; M2-LHX3; CPHD3; LIM3
Gene ID	8022.0
SwissProt ID	Q9UBR4
Immunogen	A synthesized peptide derived from human LHX3

Background

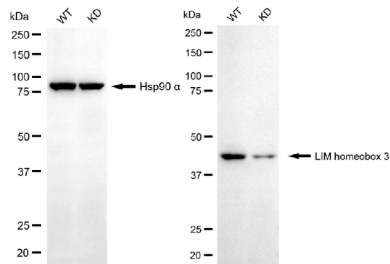
This gene encodes a member of a large family of proteins which carry the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor that is required for pituitary development and motor neuron specification. Mutations in this gene cause combined pituitary hormone deficiency 3. Alternative splicing results in multiple

transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

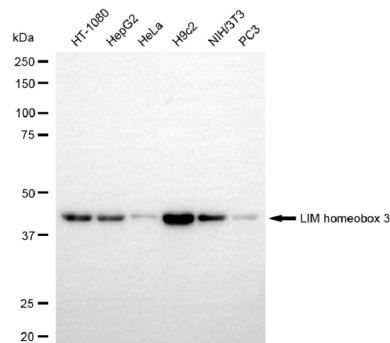
Research Area

Epigenetics and Nuclear Signaling, Stem Cells, Developmental Biology

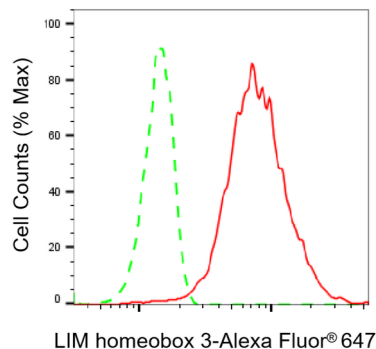
Image Data



Western blotting analysis using LIM homeobox 3 antibody (KVA01372). LIM homeobox 3 expression in wild-type (WT) and LIM homeobox 3 (LHX3) knockdown (KD) HSHC cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with LIM homeobox 3 antibody (KVA01372, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using LIM homeobox 3 antibody (KVA01372). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with LIM homeobox 3 antibody (KVA01372, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of LIM homeobox 3 expression in C2C12 cells using LIM homeobox 3 antibody (KVA01372, 1:2,000). Green, isotype control; red, LIM homeobox 3.