
Product Name: KD-Validated Lysyl Oxidase Like 2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01512**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 86.7kDa

Antigen Information

Gene Name	LOXL2
Alternative Names	LOXL2; Lysyl Oxidase Like 2; WS9-14; LOR; Lysyl Oxidase-Related Protein WS9-14; Lysyl Oxidase-Related Protein 2; Lysyl Oxidase-Like Protein 2; Lysyl Oxidase Homolog 2; Lysyl Oxidase-Like 2 Delta E13; Lysyl Oxidase-Like 2 Protein; Lysyl Oxidase Related 2; Lysyl Oxidase-Like 2; EC 1.4.3.13; EC 1.4.3; LOR2
Gene ID	4017.0
SwissProt ID	Q9Y4K0
Immunogen	A synthesized peptide derived from human LOXL2

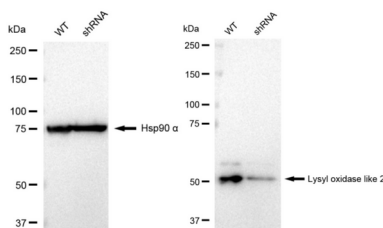
Background

This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family. [provided by RefSeq, Jul 2008]

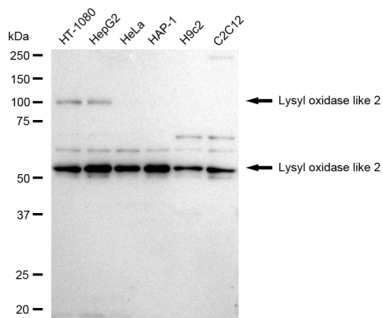
Research Area

Signal Transduction,Cancer

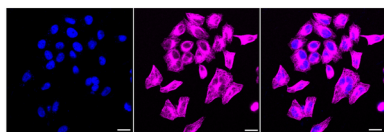
Image Data



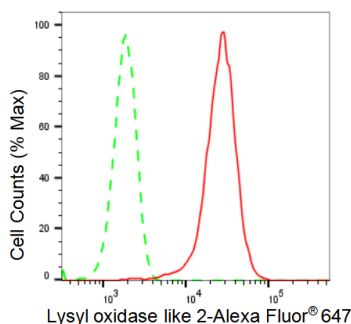
Western blotting analysis using Lysyl oxidase like 2 antibody (KVA01512). Lysyl oxidase like 2 expression in wild type (WT) and lysyl oxidase like 2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with Lysyl oxidase like 2 antibody (KVA01512, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Lysyl oxidase like 2 antibody (KVA01512). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Lysyl oxidase like 2 antibody (KVA01512, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Lysyl oxidase like 2 antibody (KVA01512, 1:1,000). Nuclei were stained blue with DAPI; Lysyl oxidase like 2 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 Lysyl oxidase like 2 expression in HepG2 cells using Lysyl oxidase like 2 antibody (KVA01512, 1:2,000). Green, isotype control; red, Lysyl oxidase like 2.