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LOXL4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17245b

Specification

LOXL4 Antibody (C-term) - Product Information

Application	WB, FC,E
Primary Accession	O96JB6
Other Accession	NP_115587.6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	84483
Antigen Region	575-603

LOXL4 Antibody (C-term) - Additional Information

Gene ID 84171

Other Names
Lysyl oxidase homolog 4, 143-, Lysyl oxidase-like protein 4, Lysyl oxidase-related protein C, LOXL4, LOXC

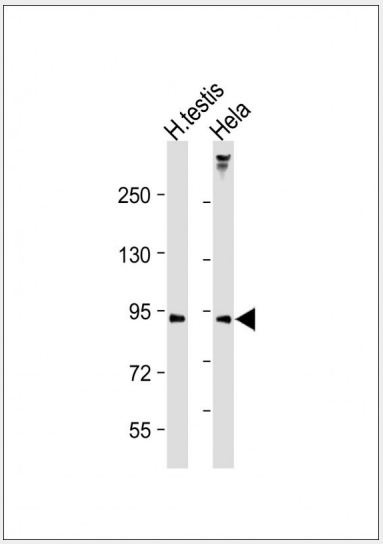
Target/Specificity
This LOXL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 575-603 amino acids from the C-terminal region of human LOXL4.

Dilution
WB~~1:1000
FC~~1:25

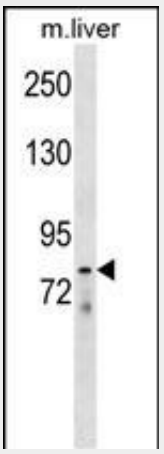
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LOXL4 Antibody (C-term) is for research use



All lanes : Anti-LOXL4 Antibody (Center) at 1:2000 dilution Lane 1: Human testis lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



LOXL4 Antibody (C-term) (Cat. #AP17245b) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the LOXL4 antibody detected the LOXL4 protein (arrow).

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only and not for use in diagnostic or therapeutic procedures.

LOXL4 Antibody (C-term) - Protein Information

Name LOXL4

Synonyms LOXC

Function
May modulate the formation of a collagenous extracellular matrix.

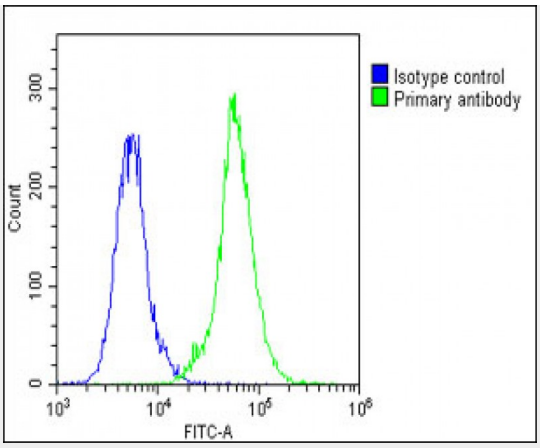
Cellular Location
Secreted, extracellular space.

Tissue Location
Expressed in many tissues, the highest levels among the tissues studied being in the skeletal muscle, testis and pancreas Expressed in cartilage

LOXL4 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



Overlay histogram showing A549 cells stained with AP17245b(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP17245b, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

LOXL4 Antibody (C-term) - 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.

LOXL4 Antibody (C-term) - References

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