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Rabbit Anti-LOXL1 antibody

SL18344R

Product Name:	LOXL1
Chinese Name:	赖氨酰氧化酶样1抗体
Alias:	Lysyl oxidase like 1; LOL; LOXL1_HUMAN; LOXL; Lysyl oxidase homolog 1; Lysyl oxidase like 1; Lysyl oxidase like protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	53kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LOXL1:401-500/574
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

Function:
Involved in hearing. Required for normal function of hair cells in the inner ear.

Subcellular Location:
Secreted, extracellular space.

DISEASE:
Deafness, autosomal recessive, 77 (DFNB77) [MIM:613079]: A form of non-syndromic deafness characterized by preserved low-frequency hearing, and a trend toward mild to moderate mid-frequency and high-frequency hearing loss during childhood and adolescence. Hearing loss progresses to become moderate to severe at mid and high frequencies during adulthood.

Similarity:
Contains 14 PLAT domains.

SWISS:
Q08397

Gene ID:
4016

Database links:

Entrez Gene: 4016 Human

Entrez Gene: 16949 Mouse

Entrez Gene: 315714 Rat

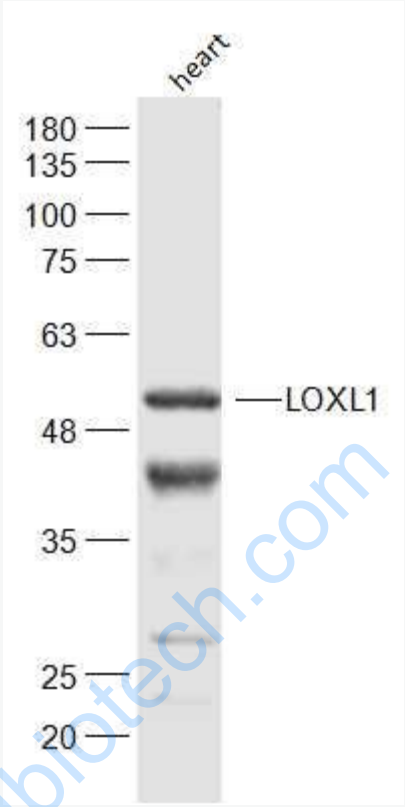
Omim: 153456 Human

SwissProt: Q08397 Human

SwissProt: P97873 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Heart(Monse) Cell Lysate at 40 ug

Primary: Anti-LOXL1(SL18344R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 53 kD

Observed band size: 53kD