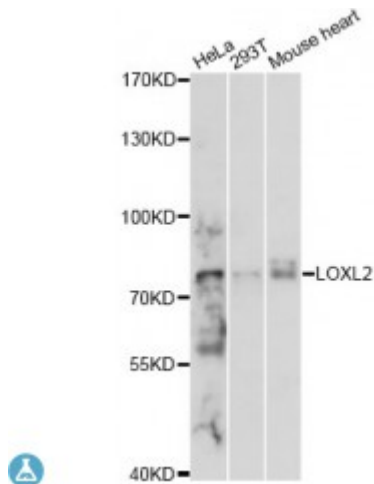


Anti-LOXL2 Antibody



Description

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.

Model	STJ116845
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 505-774 of human LOXL2 (NP_002309.1).
Gene ID	4017
Gene Symbol	LOXL2
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in many tissues , Up-regulated in a number of cancers cells and tissues
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Lysyl oxidase homolog 2
Molecular Weight	86.725 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6666OMIM:606663Reactome:R-HSA-1566948
Alternative Names	Lysyl oxidase homolog 2
Function	Mediates the post-translational oxidative deamination of lysine residues on target proteins leading to the formation of deaminated lysine (allysine) ,
Cellular Localization	Secreted, extracellular space, extracellular matrix, basement membrane,
Post-translational Modifications	The lysine tyrosylquinone cross-link (LTQ) is generated by condensation of the epsilon-amino group of a lysine with a topaquinone produced by oxidation of tyrosine,

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