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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54780_P050-HRP
Product Page	www.avivasysbio.com/loxl1-antibody-n-terminal-region-hrp-arp54780-p050-hrp.html
Name	LOXL1 Antibody - N-terminal region : HRP (ARP54780_P050-HRP)
Protein Size (# AA)	574 amino acids
Molecular Weight	53kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	4016
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Lysyl oxidase-like 1
Alias Symbols	LOL, LOXL
Peptide Sequence	Synthetic peptide located within the following region: RWRQLIQWENNGQVYSLNLSGSEYVPAGPQRSESSSRVLLAGAPQAQQR
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Ozaki, M., (et) Invest. Ophthalmol. Vis. Sci. (2008) In press
Description of Target	LOXL1 is a member of the lysyl oxidase 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	ATXN1; CUL2; FBLN5; ELN;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-LOXL1 (ARP54780_P050-HRP) antibody
Blocking Peptide	For anti-LOXL1 (ARP54780_P050-HRP) antibody is Catalog# AAP54780 (Previous Catalog# AAPP31575)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human LOXL1
Uniprot ID	Q08397
Protein Name	Lysyl oxidase homolog 1
Publications	Ohmura, H. et al. Cardiomyocyte-specific transgenic expression of lysyl oxidase-like protein-1 induces cardiac hypertrophy in mice. Hypertens. Res. 35, 1063-8 (2012). WB, Pig, Rat, Guinea pig, Human, Mouse, Horse, Rabbit, Bovine 22763477
Protein Accession #	NP_005567

Purification	Affinity Purified
Nucleotide Accession #	NM_005576
Gene Symbol	LOXL1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 83%; Guinea Pig: 100%; Horse: 92%; Human: 100%; Mouse: 100%; Rabbit: 86%; Rat: 100%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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