

anti-Human LOXL1 Polyclonal Antibody | anti-LOXL1 antibody

Anti-LOXL1 Antibody

CATALOG # AAA46502	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

LOXL1; Polyclonal Antibody; Anti-LOXL1 Antibody; Lysyl oxidase homolog 1; Lysyl oxidase like 1; LOL; LOXL; Lysyl oxidase like protein 1; lysyl oxidase-like 1; anti-LOXL1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	574
Applicable Applications for anti-LOXL1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human LOXL1 (397-425aa AEEKCLASTAYAPEATDYDVRVLLRFPQR), different from the related mouse sequence by one amino acid.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- LOXL1 Picoband antibody, AAA46502, IHC(P)IHC(P): Human Prostatic Cancer Tissue



WB (Western Blot)

Anti- LOXL1 Picoband antibody, AAA46502, Western blottingAll lanes: Anti LOXL1 (AAA46502) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugPredicted bind size: 63KDObserved bind size: 63KD

ADDITIONAL INFORMATION

Related Product Information for anti-LOXL1 antibody	Description: Rabbit IgG polyclonal antibody for Lysyl oxidase homolog 1(LOXL1) detection. Tested with WB, IHC-P in Human. Background: Lysyl oxidase homolog 1, also known as LOXL1, is an enzyme which in humans is encoded by the LOXL1 gene. 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.
References	1. Kenyon K, Modi WS, Contente S, Friedman RM (September 1993). "A novel human cDNA with a predicted protein similar to lysyl oxidase maps to chromosome 15q24-q25". The Journal of Biological Chemistry 268 (25): 18435-7. 2. Liu X, Zhao Y, Gao J, Pawlyk B, Starcher B, Spencer JA, Yanagisawa H, Zuo J, Li T (Feb 2004). "Elastic fiber homeostasis requires lysyl oxidase-like 1 protein". Nat. Genet. (United States) 36 (2): 178-82. 3. "Entrez Gene: LOXL1 lysyl oxidase-like 1".

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782346
NCBI GeneID	4016
NCBI Accession #	NP_005567.2
NCBI GenBank Nucleotide #	NM_005576.3
UniProt Accession #	Q08397; Q6NUL3; Q96BW7
Molecular Weight	63,110 Da
NCBI Official Full Name	lysyl oxidase homolog 1 preproprotein
NCBI Official Synonym Full Names	lysyl oxidase like 1
NCBI Official Symbol	LOXL1
NCBI Official Synonym Symbols	LOL; LOXL
NCBI Protein Information	lysyl oxidase homolog 1
UniProt Protein Name	Lysyl oxidase homolog 1
UniProt Gene Name	LOXL1
UniProt Synonym Gene Names	LOXL; LOL
UniProt Entry Name	LOXL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.