

Anti-LOXL1 Picoband Antibody

Catalog # ABO12405

Product Information

Application	WB, IHC-P
Primary Accession	Q08397
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Lysyl oxidase homolog 1(LOXL1) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	4016
Other Names	Lysyl oxidase homolog 1, 1.4.3.-, Lysyl oxidase-like protein 1, LOL, LOXL1, LOXL
Calculated MW	63110
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Secreted, extracellular space .
Tissue Specificity	Expressed in ocular tissues including the iris, ciliary body, lens and optic nerve. Not detected in the retina. .
Source	Eukaryota
Protein Name	Lysyl oxidase homolog 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
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.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
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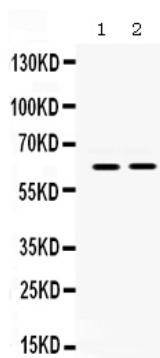
Protein Information

Name	LOXL1
Synonyms	LOXL
Function	Catalyzes the oxidative deamination of lysine and hydroxylysine residues in collagen and elastin, resulting in the formation of covalent cross-linkages, and the stabilization of collagen and elastin fibers (By similarity). Essential for the elastic fiber homeostasis and for their maintenance at adult age (By similarity).
Cellular Location	Secreted, extracellular space. Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:P97873}
Tissue Location	Expressed in ocular tissues including the iris, ciliary body, lens and optic nerve. Not detected in the retina

Background

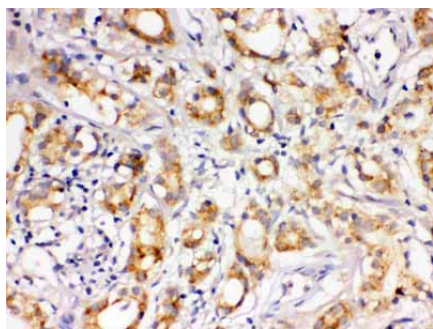
Lysyl oxidase homolog 1, also known as LOXL1, is an enzyme which in humans is encoded by the LOXL1 gene. This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine 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.

Images



Anti- LOXL1 Picoband antibody, ABO12405, Western blotting
All lanes: Anti LOXL1 (ABO12405) at 0.5ug/ml
Lane 1: A549 Whole Cell Lysate at 40ug
Lane 2: HELA Whole Cell Lysate at 40ug
Predicted bind size: 63KD
Observed bind size: 63KD

Anti- LOXL1 Picoband antibody, ABO12405, IHC(P)
Human Prostatic Cancer Tissue



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.