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Anti-LOXL1 Picoband Antibody

Catalog # ABO12405

Specification

Anti-LOXL1 Picoband Antibody - 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.

Anti-LOXL1 Picoband Antibody - 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 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/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. .

Protein Name
Lysyl oxidase homolog 1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, 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.**

Anti-LOXL1 Picoband Antibody - 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

Anti-LOXL1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-LOXL1 Picoband Antibody - Images

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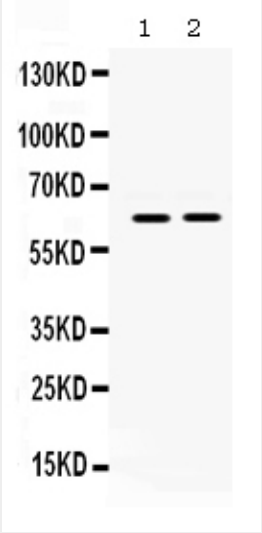
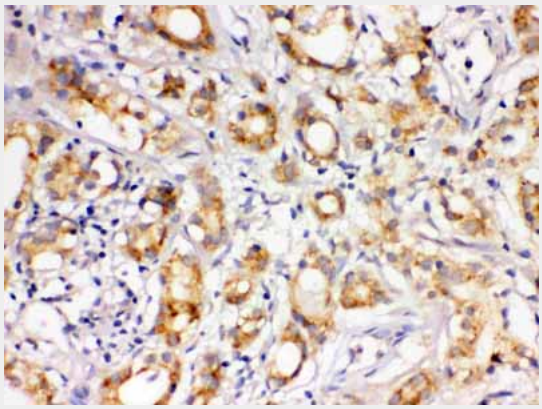


Anti- LOXL1 Picoband antibody, ABO12405, Western blottingAll lanes: Anti LOXL1 (ABO12405) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugPredicted bind size: 63KDObserved bind size: 63KD



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

Anti-LOXL1 Picoband Antibody - Background

Lysyl oxidase homolog 1, also known asÂ LOXL1, is anÂ enzymeÂ which in humans is encoded by theÂ LOXL1Â gene. This gene encodes a member of theÂ lysyl oxidaseÂ 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 inÂ collagensÂ andÂ elastin. A highly conserved amino acid sequence at the C-terminusÂ end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. TheÂ N-terminusÂ is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, andÂ chemotaxisÂ to each member of the family.