

Anti-LOX Picoband Antibody

Catalog # ABO12404

Specification

Anti-LOX Picoband Antibody - Product Information

Application WB, E
Primary Accession P28300
Host Rabbit

Reactivity Human, Mouse, Rat

Clonality Polyclonal Lyophilized

Description

Rabbit IgG polyclonal antibody for Protein-lysine 6-oxidase(LOX) detection. Tested with WB, ELISA in Human; Mouse; Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-LOX Picoband Antibody - Additional Information

Gene ID 4015

Other Names

Protein-lysine 6-oxidase, 1.4.3.13, Lysyl oxidase, LOX

Calculated MW 46944 MW KDa

Application Details

ELISA, 0.1-0.5 μg/ml, Human, -
br>Western blot, 0.1-0.5 μg/ml, Mouse, Rat, Human
cbr>

Subcellular Localization

Secreted, extracellular space.

Tissue Specificity

Heart, placenta, skeletal muscle, kidney, lung and pancreas. .

Protein Name

Protein-lysine 6-oxidase

Contents

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

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human LOX (240-268aa AEENCLASTAYRADVRDYDHRVLLRFPQR), different from the related mouse and rat sequences 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-LOX Picoband Antibody - Protein Information

Name LOX

Function

Responsible for the post-translational oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin (PubMed:26838787). Regulator of Ras expression. May play a role in tumor suppression. Plays a role in the aortic wall architecture (By similarity).

Cellular Location

Secreted. Secreted, extracellular space

Tissue Location

Heart, placenta, skeletal muscle, kidney, lung and pancreas.

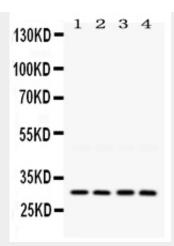
Anti-LOX Picoband Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-LOX Picoband Antibody - Images





Anti- LOX Picoband antibody, ABO12404, Western blottingAll lanes: Anti LOX (ABO12404) at 0.5ug/mlLane 1: Rat Lung Tissue Lysate at 50ugLane 2: Rat Kidney Tissue Lysate at 50ugLane 3: Rat Thymus Tissue Lysate at 50ugLane 4: Mouse Kidney Tissue Lysate at 50ugPredicted bind size: 31KDObserved bind size: 31KD

Anti-LOX Picoband Antibody - Background

Lysyl oxidase (LOX), also known as protein-lysine 6-oxidase, is a protein that, in humans, is encoded by the LOXÂ gene. The protein encoded by this gene is an extracellular copper enzyme that initiates the crosslinking of collagens and elastin. The enzyme catalyzes oxidative deamination of the epsilon-amino group in certain lysine and hydroxylysine residues of collagens and lysine residues of elastin. In addition to crosslinking extracellular matrix proteins, the encoded protein may have a role in tumor suppression. Defects in this gene are a cause of autosomal recessive cutis laxa type I (CL type I). Two transcript variants encoding different isoforms have been found for this gene.Â