

LOX monoclonal antibody

Catalog: MB66952

Host: Mouse

Reactivity: Human

BackGround:

LOX (lysyl oxidase) is a secreted copper-dependent amine oxidase and a member of the lysyl oxidase family . It primarily catalyzes the oxidation of lysine (or hydroxylysine) residues in collagen and elastin to form peptidyl aldehyde derivatives . These modifications are required for further cross-linking of target proteins to enhance ECM (extracellular matrix) stiffness. LOX plays critical roles in vascular, lung, and skin development, and tissue damage repair . Upregulation of LOX is associated with various diseases, including cancer progression and tissue fibrosis. Aberrant LOX activity creates a favorable tumor microenvironment to promote tumor metastasis and distal colonization .

Product:

Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 47 kDa

Swiss-Prot:

P28300

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of LOX protein.

DATA:



Western blot analysis of LOX expression in MDAMB231 (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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