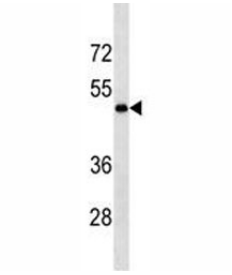
LOX Antibody / Lysyl Oxidase [clone 624CT23.7.3] (F40401)

Catalog No.	Formulation	Size
F40401-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40401-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Pig
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	624CT23.7.3
Purity	Purified
UniProt	P28300
Applications	Western blot: 1:100-1:500
Limitations	This LOX antibody is available for research use only.



LOX antibody western blot analysis in MDA-MB231 lysate. Expected molecular weight: ~47 kDa (unprocessed/unmodified), ~50 kDa (glycosylated), ~32 kDa (processed form).

Description

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.

Application Notes

Titration of the LOX antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 234-260 from the human protein was used as the immunogen for this LOX antibody.

Storage

Aliquot the LOX antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

References (1)

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