

Datasheet for ABIN1882262
anti-LOX antibody (AA 234-260)[Go to Product page](#)[1 Image](#)[2 Publications](#)

Overview

Quantity:	400 µL
Target:	LOX
Binding Specificity:	AA 234-260
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LOX antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This LOX antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 234-260 amino acids from the Central region of human LOX.
Clone:	624CT23-7-3
Isotype:	IgG2b
Predicted Reactivity:	M, Pig, Rat
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	LOX
Alternative Name:	LOX (LOX Products)

Target Details

Background:	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.
Molecular Weight:	46944
NCBI Accession:	NP_002308
UniProt:	P28300
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB: 1:100~500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

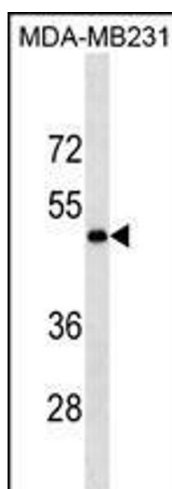
Publications

Product cited in:	Carrascal, Ovelleiro, Casas, Gay, Abian: "Phosphorylation analysis of primary human T lymphocytes using sequential IMAC and titanium oxide enrichment." in: Journal of proteome research , Vol. 7, Issue 12, pp. 5167-76, (2009) (PubMed).
	Kouligh, Li, DeMartino: "Relative structural and functional roles of multiple deubiquitylating

proteins associated with mammalian 26S proteasome." in: **Molecular biology of the cell**, Vol. 19, Issue 3, pp. 1072-82, (2008) ([PubMed](#)).

Reuter, Medhurst, Waisfisz, Zhi, Herterich, Hoehn, Gross, Joenje, Hoatlin, Mathew, Huber: "Yeast two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport." in: **Experimental cell research**, Vol. 289, Issue 2, pp. 211-21, (2003) ([PubMed](#)).

Images



Western Blotting

Image 1. LOX Antibody (Center) (ABIN1882262 and ABIN2843891) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the LOX antibody detected the LOX protein (arrow).