

Datasheet for ABIN6143288

**anti-LOX antibody**

4 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	LOX
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LOX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	A synthetic peptide of human LOX
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	LOX
Alternative Name:	LOX ( <a href="#">LOX Products</a> )
Background:	This gene encodes a member of the lysyl oxidase family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate a regulatory propeptide and the mature enzyme. The copper-dependent amine oxidase activity of this enzyme functions in the crosslinking of

## Target Details

collagens and elastin, while the propeptide may play a role in tumor suppression. In addition, defects in this gene have been linked with predisposition to thoracic aortic aneurysms and dissections.,LOX,AAT10,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Immunology & Inflammation,Cardiovascular,LOX

Molecular Weight: 46 kDa

Gene ID: 4015

UniProt: [P28300](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

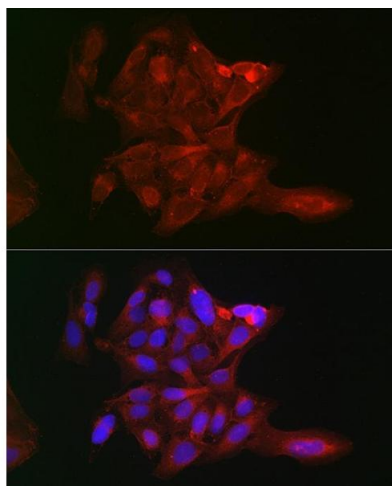
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

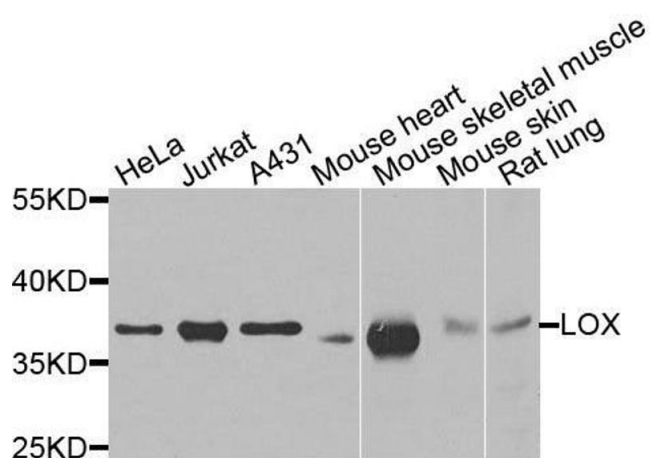
## Publications

Product cited in: Shi, Zhu, Wei, Fu, Wang, Liu, Zhang, Liang, Xing, Wang, Wang: "Baicalein attenuates monocrotaline-induced pulmonary arterial hypertension by inhibiting endothelial-to-mesenchymal transition." in: **Life sciences**, Vol. 207, pp. 442-450, (2018) ([PubMed](#)).



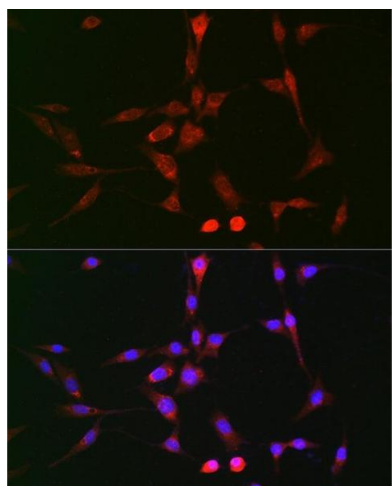
#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U-2 OS cells using LOX Rabbit pAb (ABIN6133805, ABIN6143288, ABIN6143289 and ABIN6223629) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using LOX antibody.



#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of BALB-3T3 cells using LOX Rabbit pAb (ABIN6133805, ABIN6143288, ABIN6143289 and ABIN6223629) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6143288.