Anti-LOX Antibody (Clone#ABEO-12)

Catalog Number: *BM5132*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-LOX Antibody (Clone#ABEO-12)
Gene Name	LOX
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM, ICC/IF, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human LOX
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	47 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:20 Flow Cytometry (FCM): 1:20

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Lysyl oxidase (LOX),also known as protein-lysine 6-oxidase,is an enzyme that,in humans,is encoded by the LOX gene. It is mapped to 5q23.1. 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 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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE

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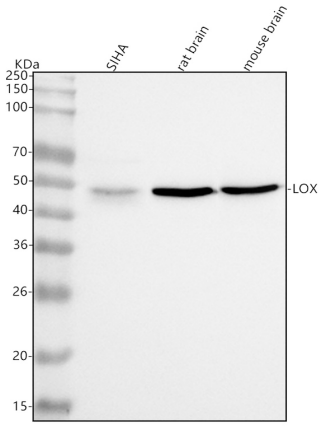
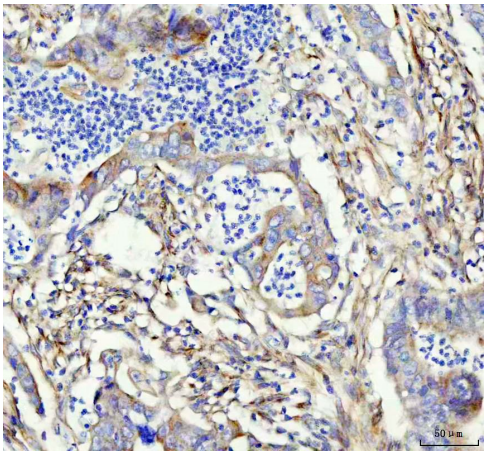
Reference

Anti-LOX Antibody (Clone#ABEO-12)被引用在2文献中。

Selected Validation Data



Western blot analysis of anti-LOX antibody (BM5132). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human SiHa whole cell lysates,
Lane 2: rat brain tissue lysates,
Lane 3: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-LOX antigen affinity purified monoclonal antibody (BM5132) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for LOX at approximately 47 kDa. The expected band size for LOX is at 47 kDa.



IHC analysis of LOX using anti-LOX antibody (BM5132) .
LOX was detected in a paraffin-embedded section of human colorectal adenocarcinoma tissue. The tissue section was incubated with rabbit anti-LOX Antibody (BM5132) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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