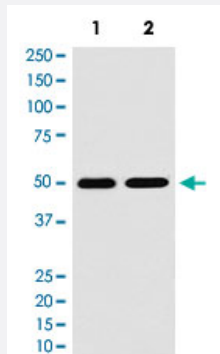


LOX monoclonal antibody, clone ABEO-12

Catalog # MAB20452 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: Jurkat cell and Lane 2: mouse brain tissue lysates with LOX monoclonal antibody, clone ABEO-12 (Cat # MAB20452).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human LOX.
Immunogen	A synthetic peptide corresponding to human LOX.
Host	Rabbit
Theoretical MW (kDa)	46.944
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Flow Cytometry (1:60) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Immunoprecipitation (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: Jurkat cell and Lane 2: mouse brain tissue lysates with LOX monoclonal antibody, clone ABEO-12 (Cat # MAB20452).

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

Gene Info — LOX

Entrez GeneID	4015
----------------------	----------------------

Protein Accession#	P28300
---------------------------	------------------------

Gene Name	LOX
------------------	-----

Gene Alias	MGC105112
-------------------	-----------

Gene Description	lysyl oxidase
-------------------------	---------------

Omim ID [153455 219100](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations protein-lysine 6-oxidase

Disease

- [Adenocarcinoma](#)
- [Amyotrophic lateral sclerosis](#)
- [Asthma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Intracranial Aneurysm](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)
- [Oral Submucous Fibrosis](#)
- [Precancerous Conditions](#)
- [Tobacco Use Disorder](#)