

Rabbit LOX Polyclonal Antibody | anti-LOX antibody

LOX Antibody (Center)

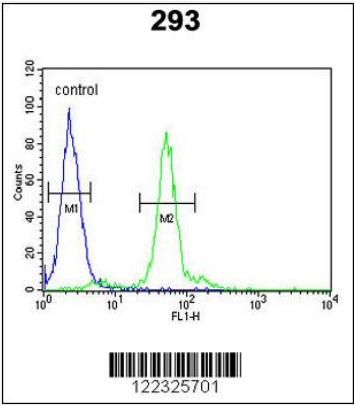
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283626	Rabbit	Human (Predicted Reactivity: Mouse, Pig, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

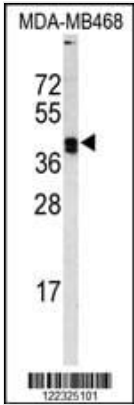
LOX; Polyclonal Antibody; LOX Antibody (Center); Protein-lysine 6-oxidase; Lysyl oxidase; anti-LOX antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LOX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 234-260 amino acids from the Central region of human LOX.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	234-260
Sequence Length	417
Applicable Applications for anti-LOX antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
LOX Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of LOX Antibody (Center) in MDA-MB468 cell line lysates (35ug/lane). LOX (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-LOX antibody	LOX 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.
Product Categories/Family for anti-LOX antibody	Cancer; Cardiovascular; Signal transduction
References	Mariani,T.J., et.al., Matrix 12 (3), 242-248 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149540
NCBI GeneID	4015
NCBI Accession #	NP_002308.2
NCBI GenBank Nucleotide #	NM_002317.5
UniProt Accession #	P28300; Q5FWF0; B2R5Q3
Molecular Weight	46944
NCBI Official Full Name	protein-lysine 6-oxidase isoform 1 preproprotein
NCBI Official Synonym Full Names	lysyl oxidase
NCBI Official Symbol	LOX
NCBI Protein Information	protein-lysine 6-oxidase
UniProt Protein Name	Protein-lysine 6-oxidase
UniProt Gene Name	LOX
UniProt Entry Name	LYOX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.