

bs-15492R**[Primary Antibody]****LOX Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Sheep, Dog) Predicted MW.: 29 kDa Subcellular Location: Secreted ,Extracellular matrix
Clonality: Polyclonal		
GeneID: 4015	SWISS: P28300	
Target: LOX		
Immunogen: KLH conjugated synthetic peptide derived from human LOX: 201-300/417.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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 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. [provided by RefSeq, Jul 2016]		

— SELECTED CITATIONS —

- **[IF=5.064]** Xia Liu. et al. The adipokine orosomucoid alleviates adipose tissue fibrosis via the AMPK pathway. Acta Pharmacol Sin. 2021 Apr;;1-9 WB,IF ;Mouse. 33875797
- **[IF=3.647]** Runze Zhao. et al. Lysyl oxidase inhibits TNF- α induced rat nucleus pulposus cell apoptosis via regulating Fas/FasL pathway and the p53 pathways. Life Sci. 2020 Nov;260:118483 WB ;Rat. 32979358
- **[IF=4.145]** Runze Zhao. et al. Nucleus pulposus cell senescence is regulated by substrate stiffness and is alleviated by LOX possibly through the integrin β 1-p38 MAPK signaling pathway. EXP CELL RES. 2022 Aug;417:113230 WB ;Rat. 35667466