LOX Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Pig, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide between amino acids 200-300 of the human LOX protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_794775

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-4 µg/mL	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:250	-
Immunocytochemistry (ICC/IF)	1:100	-

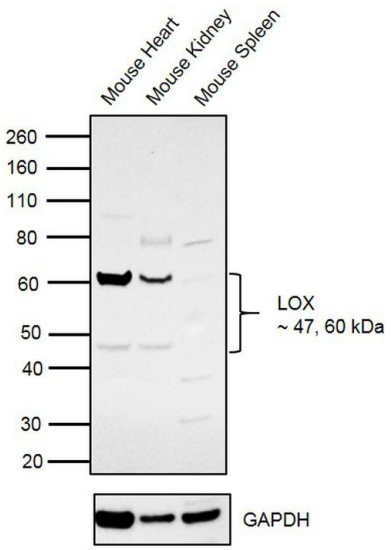
Product Specific Information

PA1-16953 is specific for the ~58 kDa LOX protein.

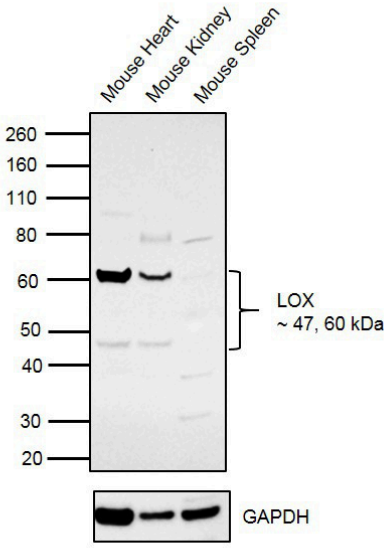
This is a highly glycosylated protein and therefore, other bands may be seen at ~32 kDa (non-glycosylated form) 50 kDa and 58 kDa (glycosylated forms).

Suggested positive control: human and mouse kidney lysate, antigen standard for LOX (transient overexpression lysate), human kidney protein, mouse kidney protein.

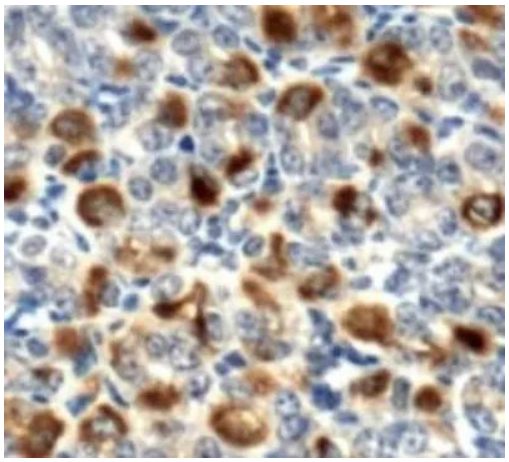
Product Images For LOX Polyclonal Antibody



LOX Antibody (PA1-16953) in WB
Western blot was performed using Anti-LOX Rabbit Polyclonal Antibody (Product # PA1-16953) and 47 kDa (canonical) and 60 kDa (glycosylated) bands corresponding to isoforms of LOX were observed in tissues tested except Mouse Spleen which is reported to be negative. Tissue extracts (30 µg lysate) of Mouse Heart (Lane 1), Mouse Kidney (Lane 2) and Mouse Spleen (Lane 3) were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (2 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



LOX Antibody (PA1-16953)
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of LOX was observed in Mouse Heart (Lane 1) and Mouse Kidney (Lane 2) that express LOX protein, in comparison to, Mouse Spleen that doesnt express LOX protein using Anti-LOX Rabbit Polyclonal Antibody (Product # PA1-16953) in Western Blot. {RE}



LOX Antibody (PA1-16953) in IHC (P)
Immunohistochemical analysis of LOX in mouse stomach. Samples were incubated in LOX polyclonal antibody (Product # PA1-16953).

View more figures on thermofisher.com

4 References

Western Blot (4)

Frontiers in pharmacology

Year
2020

DuCLOX-2/5 Inhibition Attenuates Inflammatory Response and Induces Mitochondrial Apoptosis for Mammary Gland Chemoprevention.

"Published figure using LOX polyclonal antibody (Product # PA1-16953) in Western Blot"

Authors: Gautam S,Rawat AK,Sammi SR,Roy S,Singh M,Devi U,Yadav RK,Singh L,Rawat JK,Ansari MN,Saeedan AS, Kumar D,Pandey R,Kaithwas G

Journal of cell science

Year
2017

Defective signaling, osteoblastogenesis and bone remodeling in a mouse model of connexin 43 C-terminal truncation.

"Published figure using LOX polyclonal antibody (Product # PA1-16953) in Western Blot"

Authors: Moorer MC,Hebert C,Tomlinson RE,Iyer SR,Chason M,Stains JP

View more WB references on thermofisher.com

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