

Product Datasheet

LOXL4 Antibody - BSA Free

NBP2-32692

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-32692

LOXL4 Antibody - BSA Free

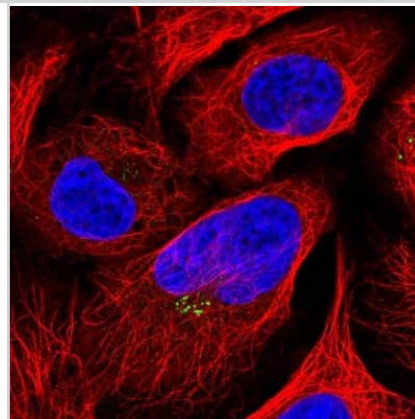
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	84171
Gene Symbol	LOXL4
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific publication (PMID: 32424143).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: RRHRGYLSETVSNALGPQGRRLLEEVR LKPI LASAKQHSPVTEGAVEVKYEGH WRQVCDQGWTMN

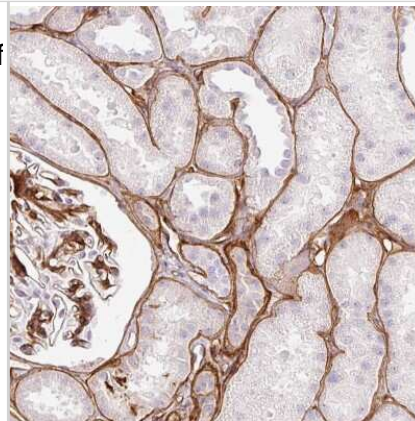
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	IHC-P, Retrieval method: HIER pH6. ICC/IF, Fixation/Permeabilization: PFA/Triton X-100.

Images

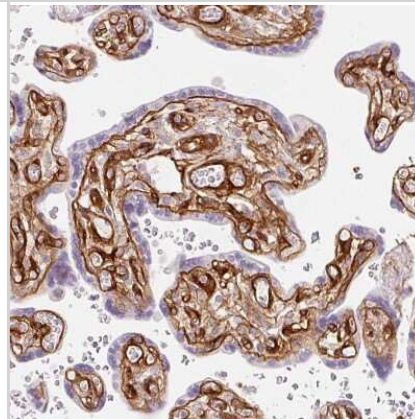
Immunocytochemistry/Immunofluorescence: LOXL4 Antibody [NBP2-32692] - Staining of human cell line U-2 OS shows positivity in vesicles. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: LOXL4 Antibody [NBP2-32692] - Staining of human kidney shows strong positivity in extracellular matrix of renal tubules.



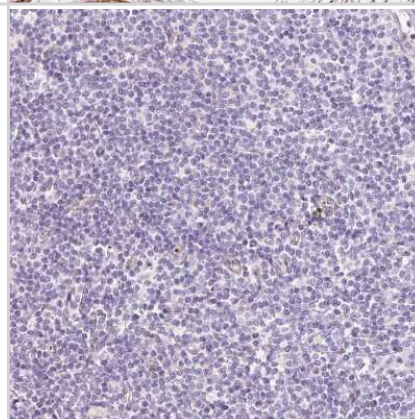
Immunohistochemistry-Paraffin: LOXL4 Antibody [NBP2-32692] - Staining of human placenta shows strong positivity in extracellular matrix of the trophoblast.



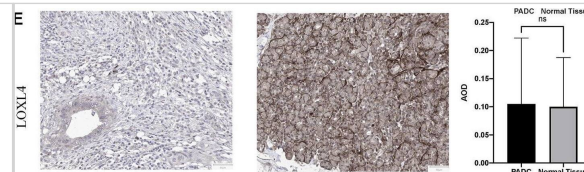
Immunohistochemistry-Paraffin: LOXL4 Antibody [NBP2-32692] - Staining of human testis shows moderate to strong positivity in extracellular matrix of peritubular myoid cells.



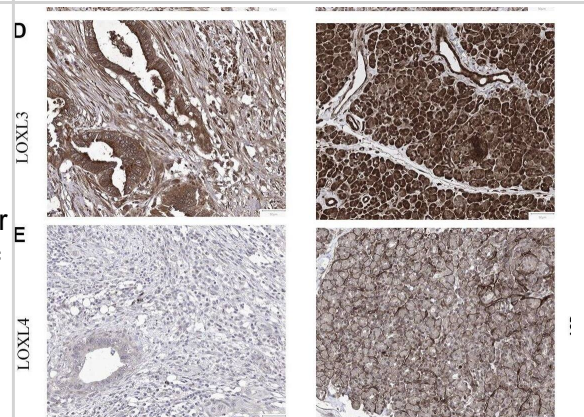
Immunohistochemistry-Paraffin: LOXL4 Antibody [NBP2-32692] - Staining of human lymph node shows no positivity in non-germinal center cells as expected.



Representative immunohistochemistry of LOXs in PDAC tissues and normal pancreas tissues. (A) IHC staining of LOX and quantification showed higher expression in PDAC than normal pancreas tissues. (B) IHC staining and quantification showed higher expression of LOXL1 in PDAC. (C) IHC staining and quantification showed higher expression of LOXL2 in PDAC. (D) IHC staining and quantification showed lower expression of LOXL3 in PDAC. (E) LOXL4 expression levels were similar in PDAC and normal tissues. * $p < 0.01$; NS, no significant difference. $n = 6$, repeated 5 times. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35433829>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Representative immunohistochemistry of LOXs in PDAC tissues and normal pancreas tissues. (A) IHC staining of LOX and quantification showed higher expression in PDAC than normal pancreas tissues. (B) IHC staining and quantification showed higher expression of LOXL1 in PDAC. (C) IHC staining and quantification showed higher expression of LOXL2 in PDAC. (D) IHC staining and quantification showed lower expression of LOXL3 in PDAC. (E) LOXL4 expression levels were similar in PDAC and normal tissues. * $p < 0.01$; NS, no significant difference. $n = 6$, repeated 5 times. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35433829>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Jiang C, Wang M, Yao W et al. Comprehensive Analysis on Prognosis and Immune Infiltration of Lysyl Oxidase Family Members in Pancreatic Adenocarcinoma With Experimental Verification *Frontiers in Molecular Biosciences* 2022-04-01 [PMID: 35433829] (Immunohistochemistry, Mouse)

Yu H, Ding J, Zhu H et al. LOXL1 confers antiapoptosis and promotes gliomagenesis through stabilizing BAG2 Cell Death Differ. 2020-05-18 [PMID: 32424143] (IF/IHC, Mouse)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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