

For Research Use Only

# LOXL2 Monoclonal antibody

Catalog Number: 67139-1-Ig **3 Publications**



## Basic Information

<b>Catalog Number:</b> 67139-1-Ig	<b>GenBank Accession Number:</b> BC000594	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4017	<b>CloneNo.:</b> 1H7F1
<b>Source:</b> Mouse	<b>Full Name:</b> lysyl oxidase-like 2	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 774 aa, 87 kDa	
<b>Immunogen Catalog Number:</b> AG28566	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> A549 cells, human placenta tissue, A375 cells, human heart tissue
<b>Species Specificity:</b> Human	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human, mouse	

## Background Information

LOXL2, also named as WS9-14, belongs to an amine oxidase family whose members have been implicated in crosslink formation in stromal collagens and elastin, cell motility, and tumor development and progression. LOXL2 activity might be a crucial modulator of Snail, providing an additional control mechanism of EMT and tumor progression. Increased LOXL2 expression in colon and esophageal cancer may contribute to tumor progression. We detected a band about 100 kd which is a secretory mature LOXL2 protein modified by glycosylation (PMID: 24014025).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yongxin Wu	35712918	Aging Cell	WB
Zhaoyu Wang	37185458	Oncogene	WB
Bing Sun	35413319	Int J Biol Macromol	WB,IF

## Storage

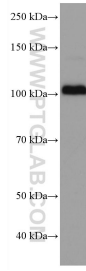
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

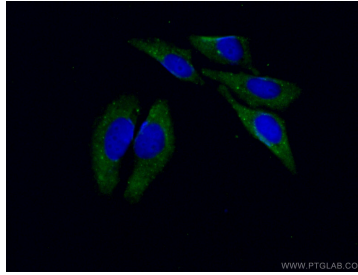
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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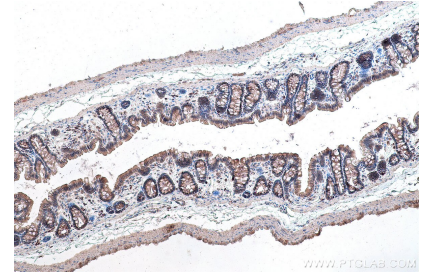
## Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 67139-1-Ig (LOXL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 67139-1-Ig (LOXL2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 67139-1-Ig (LOXL2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).