

## 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> 2000 µg/ml	<b>GeneID (NCBI):</b> 4017	<b>CloneNo.:</b> 1H7F1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y4K0	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:4000-1:16000 IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> lysyl oxidase-like 2	
<b>Immunogen Catalog Number:</b> AG28566	<b>Calculated MW:</b> 774 aa, 87 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Cited Applications:**  
WB, IF

**Species Specificity:**  
Human, rat

**Cited Species:**  
human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** A549 cells, human placenta tissue, A375 cells, human heart tissue

**IHC:** rat colon tissue,

**IF:** HepG2 cells,

## 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

For technical support and original validation data for this product please contact:

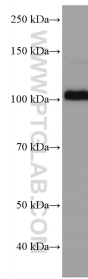
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

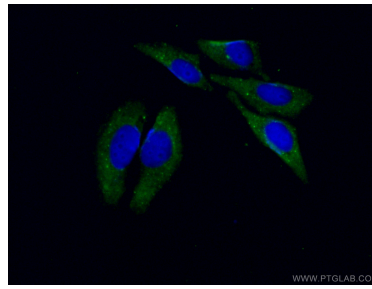
W: [ptgcn.com](http://ptgcn.com)

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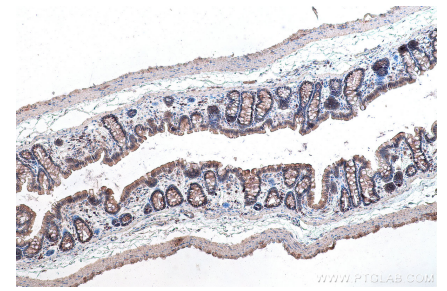
## Selected Validation Data



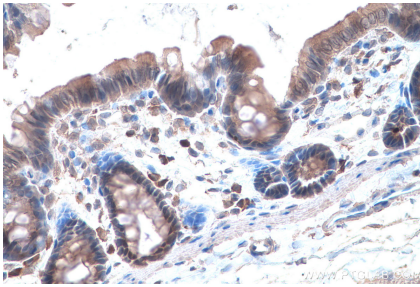
A549 cells were subjected to SDS PAGE followed by western blot with 67139-1-Ig (LOXL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 67139-1-Ig (LOXL2 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).