

For Research Use Only

LOXL2 Monoclonal antibody

Catalog Number: 67139-1-Ig **5 Publications**



Basic Information

Catalog Number: 67139-1-Ig	GenBank Accession Number: BC000594	Purification Method: Protein A purification
Size: 2000 μ g/ml	GeneID (NCBI): 4017	CloneNo.: 1H7F1
Source: Mouse	UNIPROT ID: Q9Y4K0	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:4000-1:16000 IF/ICC 1:50-1:500
Isotype: IgG2a	Full Name: lysyl oxidase-like 2	
Immunogen Catalog Number: AG28566	Calculated MW: 774 aa, 87 kDa Observed MW: 100 kDa	

Applications

Tested Applications: WB, IF, IHC, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : A549 cells, human placenta tissue, A375 cells, human heart tissue
Species Specificity: Human, rat	IHC : rat colon tissue,
Cited Species: human, mouse	IF/ICC : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Yuan Xie	39191260	Neuron	IF
Yingzhi Shen	39145451	J Clin Invest	

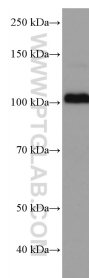
Storage

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

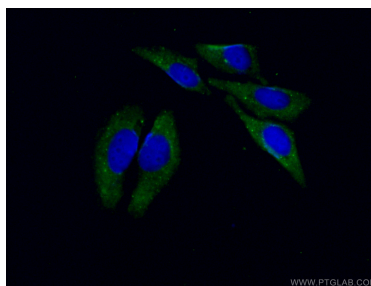
For technical support and original validation data for this product please contact:
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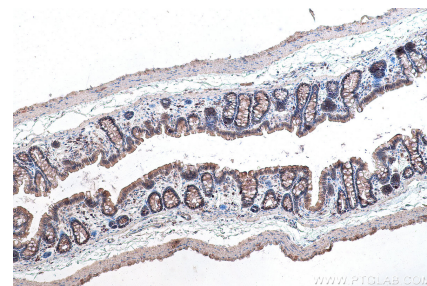
Selected Validation Data



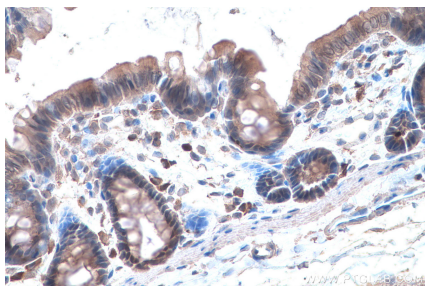
A549 cells were subjected to SDS PAGE followed by western blot with 67139-1-Ig (LOXL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 67139-1-Ig (LOXL2 antibody) at dilution of 1:100 and CoraLite488-Conjugated 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).