For Research Use Only

LOXL2 Monoclonal antibody

Catalog Number:67139-1-Ig 6 Publications

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Basic Information

Catalog Number:
67139-1-Ig

Size:
150ul , Concentration: 2000 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG28566

GenBank Accession Number:
BC000594

GeneID (NCBI):
4017

UNIPROT ID:
Q9Y4K0

Full Name:
lysyl oxidase-like 2

Calculated MW:
774 aa, 87 kDa

Observed MW:
100 kDa

Purification Method:
Protein A purification

CloneNo.:
1H7F1

Recommended Dilutions:
WB 1:1000-1:4000
IHC 1:4000-1:16000
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF, IHC, ELISA

Cited Applications:
WB, IHC, 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/ICC : 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
Yijia Zhang	39740539	Neoplasia	WB,IHC
Yuan Xie	39191260	Neuron	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
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
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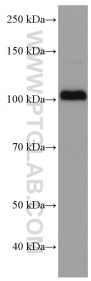
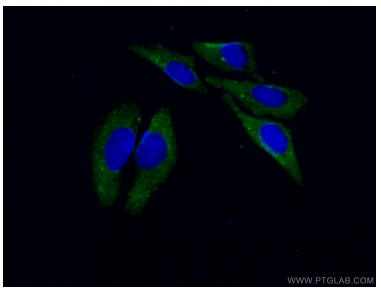
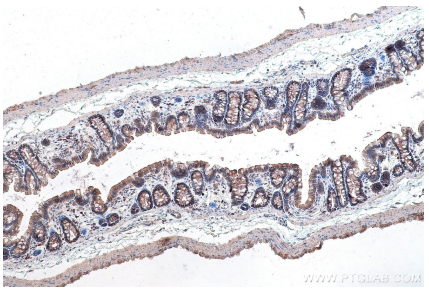
Selected Validation Data



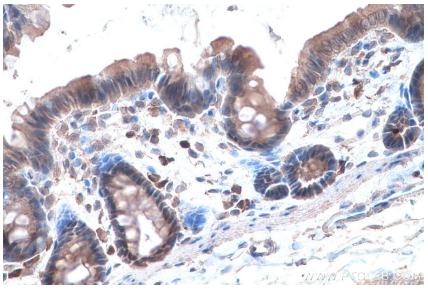
A549 cells were subjected to SDS PAGE followed by western blot with 67139-1-Ig (LOXL2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).