

For Research Use Only

# LMCD1 Monoclonal antibody

Catalog Number: 67834-1-Ig



## Basic Information

<b>Catalog Number:</b> 67834-1-Ig	<b>GenBank Accession Number:</b> BC000646	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 29995	<b>CloneNo.:</b> 2A7B3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NZU5	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:250-1:1000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> LIM and cysteine-rich domains 1	
<b>Immunogen Catalog Number:</b> AG28331	<b>Calculated MW:</b> 41 kDa	
	<b>Observed MW:</b> ~40 kDa	

## Applications

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

**Species Specificity:**  
Human, mouse, rat

**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:** U2OS cells, human placenta tissue

**IHC:** human colon tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue, human colon cancer tissue

**IF:** MCF-7 cells,

## Background Information

LIM and cysteine-rich domains-1 (LMCD1) is a member of the LIM protein family, which contains an N-terminal cysteine-rich region, two C-terminal LIM domains and a central PET (Prickle, Espinas, and Testin) domain. LMCD1 has been reported in cardiac tissues and lung acting as a transcriptional repressor for GATA6. The mutations of LMCD1 promote cell migration and tumor metastasis in hepatocellular carcinoma. (PMID: 31501411) It has calculated molecular weight around 41kDa.

## 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:

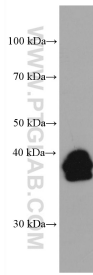
T: 4006900926

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

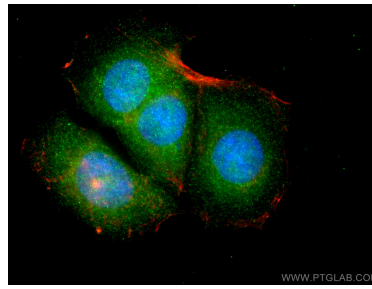
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

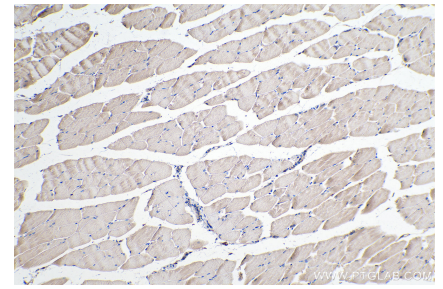
## Selected Validation Data



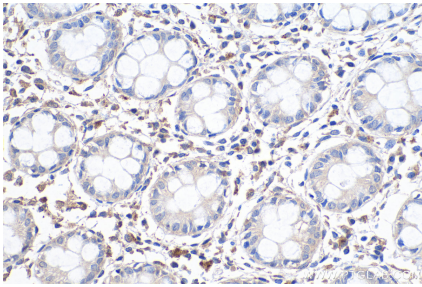
U2OS cells were subjected to SDS PAGE followed by western blot with 67834-1-Ig (LMCD1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using LMCD1 antibody (67834-1-Ig, Clone: 2A7B3 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67834-1-Ig (LMCD1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67834-1-Ig (LMCD1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).