

For Research Use Only

# Multi-rAb® FHL2 Multi-Recombinant antibody

Catalog Number: RMX00084



## Basic Information

<b>Catalog Number:</b> RMX00084	<b>GenBank Accession Number:</b> BC014397	<b>Purification Method:</b> N/A
<b>Size:</b> 100ul , Concentration: 760 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2274	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:250-1:1000 IF/ICC: 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14192	
<b>Isotype:</b> IgG	<b>Full Name:</b> four and a half LIM domains 2	
	<b>Calculated MW:</b> 32 kDa	
	<b>Observed MW:</b> 32 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, 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 :** HeLa cells, U2OS cells, NIH/3T3 cells, rat heart tissue

**IHC :** mouse heart tissue,

**IF/ICC :** HSKMC cells,

## Background Information

FHL2(Four and a half LIM domains protein 2), also known as DRAL. It is located in cytoplasm and nucleus. The protein is expressed in skeletal muscle and heart. May function as a molecular transmitter linking various signaling pathways to transcriptional regulation. Negatively regulates the transcriptional repressor E4F1 and may function in cell growth. Inhibits the transcriptional activity of FOXO1 and its apoptotic function by enhancing the interaction of FOXO1 with SIRT1 and FOXO1 deacetylation. Negatively regulates the calcineurin/NFAT signaling pathway in cardiomyocytes (PMID: 28717008). The molecular weight of FHL2 is 32 kDa.

## Storage

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

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

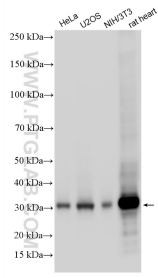
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

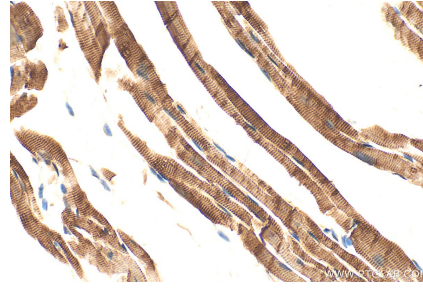
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00084 (FHL2 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using RMX00084 (FHL2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (-20°C Ethanol) fixed HSkMC cells using FHL2 antibody (RMX00084) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).