Product Datasheet

FHL2 Rabbit mAb

Catalog No: #49904

Package Size: #49904-1 50ul #49904-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

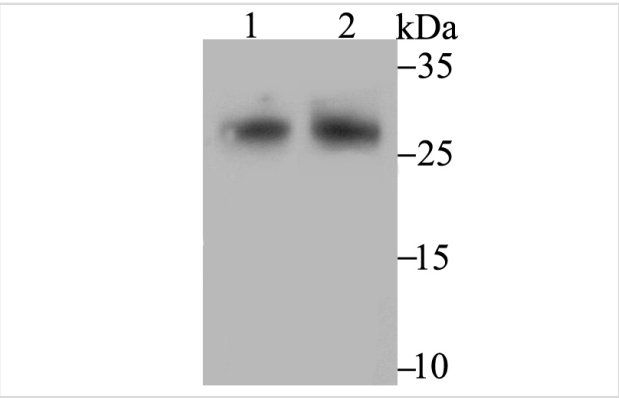
Description

Product Name	FHL2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG36-42
Purification	ProA affinity purified
Applications	WB,IHC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within C-terminal human FHL2.
Other Names	AAG 11 antibody AAG11 antibody Aging associated gene 11 antibody Down regulated in rhabdomyosarcoma LIM protein antibody Downregulated in rhabdomyosarcoma LIM protein antibody DRAL antibody FHL 2 antibody FHL-2 antibody Fhl2 antibody FHL2 protein antibody FHL2_HUMAN antibody Four and a half LIM domain protein 2 antibody Four and a half LIM domains 2 antibody Four and a half LIM domains protein 2 antibody KIAA0990 antibody LIM domain protein DRAL antibody Skeletal muscle LIM protein 3 antibody Skeletal muscle LIM-protein 3 antibody SLIM 3 antibody SLIM-3 antibody SLIM3 antibody
Accession No.	Swiss-Prot#:Q14192
Uniprot	Q14192
GeneID	2274;
Calculated MW	32 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

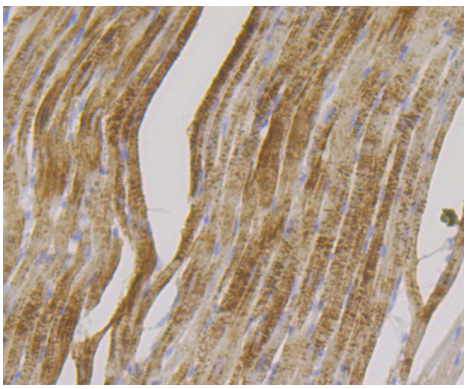
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200 IP: 1:10-1:50

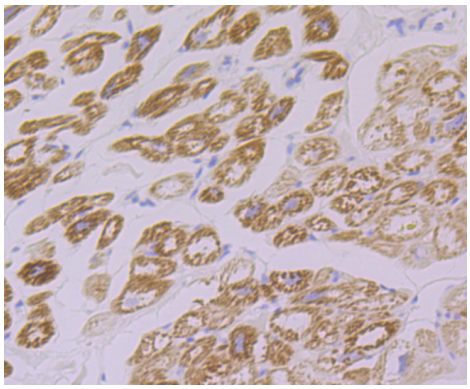
Images



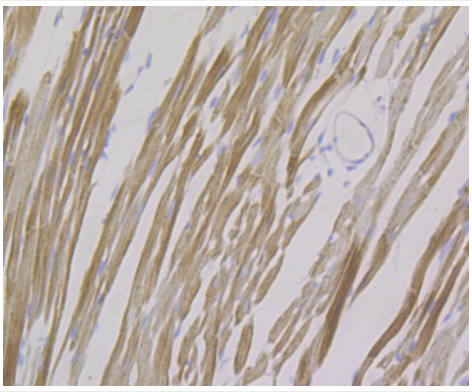
Western blot analysis of FHL2 on different tissue lysates using anti-FHL2 antibody at 1/1,000 dilution. Positive control: Lane 1: Rat heart Lane 2: Mouse heart



Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-FHL2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human fetal heart tissue using anti-FHL2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-FHL2 antibody. Counter stained with hematoxylin.

Background

The four-and-a-half-LIM domain (FHL) proteins include FHL-1 (SLIM1), FHL-2 (SLIM3), FHL-3 (SLIM2) and FHL-4. The signature "half-domain", a single zinc finger domain located in the N-terminal region, differentiates FHLs from other LIM-only proteins, which have numbers of zinc fingers. Specific combinations of FHL proteins elicit selective activation of both CREB and CREM. Skeletal and cardiac muscle express FHL-1 in high levels as compared to the low level of expression in smooth muscle of the colon, small intestine and prostate. FHL-1 localizes to the cytosol of myoblasts, myotubes, and differentiated myocytes. FHL-2 is also located in cardiac and skeletal muscle, as well as in placenta and ovary tissues. FHL-3 is found in skeletal muscle, but absent in cardiac muscle. FHL-4 is expressed exclusively by the seminiferous epithelium of the testis, which suggests that FHL-4 is involved in spermatogenesis. The genetic loci for FHLs vary considerably despite similiar amino acid sequences among the FHL group.

References

Note: This product is for in vitro research use only