10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-FHL2 Antibody

Catalog # AP52007

Product Information

Application	WB, IF/IC
Primary Accession	Q14192
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32193

Additional Information

Gene ID	2274
Other Names	DRAL; SLIM3; Four and a half LIM domains protein 2; FHL-2; LIM domain protein DRAL; Skeletal muscle LIM-protein 3; SLIM-3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FHL2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

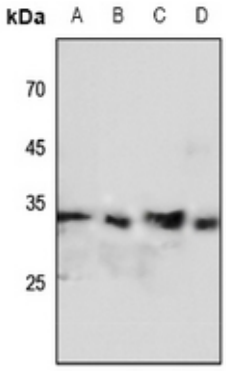
Protein Information

Name	FHL2
Synonyms	DRAL, SLIM3
Function	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 (PubMed:28717008).
Cellular Location	Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere, Z line {ECO:0000250|UniProtKB:O35115}
Tissue Location	Expressed in skeletal muscle and heart.

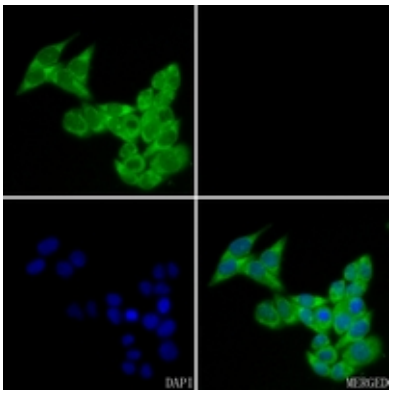
References

Genini M.,et al.DNA Cell Biol. 16:433-442(1997).
Chan K.K.,et al.Gene 210:345-350(1998).
Tanahashi H.,et al.Hum. Mol. Genet. 9:2281-2289(2000).
Qian Z.,et al.Submitted (NOV-2005) to the EMBL/GenBank/DDBJ databases.
Morgan M.J.,et al.Biochem. Biophys. Res. Commun. 225:632-638(1996).

Images



Western blot analysis of FHL2 expression in HEK293T (A), mouse muscle (B), rat heart (C), rat muscle (D) whole cell lysates. (Predicted band size: 32 kD; Observed band size: 32 kD)



Immunofluorescent analysis of FHL2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.