

# FHL2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP52007

## Product Information

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Application	WB
Primary Accession	<a href="#">Q14192</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32193

## Additional Information

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Gene ID	2274
Other Names	Four and a half LIM domains protein 2, FHL-2, LIM domain protein DRAL, Skeletal muscle LIM-protein 3, SLIM-3, FHL2, DRAL, SLIM3
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
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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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: <a href="#">28717008</a> ).
Cellular Location	Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere, Z line {ECO:0000250 UniProtKB:O35115}
Tissue Location	Expressed in skeletal muscle and heart.

## Background

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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.

## References

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Genini M.,et al.DNA Cell Biol. 16:433-442(1997).

Chan K.K.,et al.Gene 210:345-350(1998).

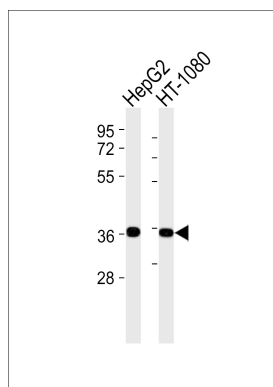
Tanahashi H.,et al.Hum. Mol. Genet. 9:2281-2289(2000).

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

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All lanes : Anti-FHL2 Antibody at 1:1000 dilution Lane 1: HepG2 whole cell lysates Lane 2: HT-1080 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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