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

FHL1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6852b

Specification

FHL1 Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q13642
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36263**
Antigen Region	**214-240**

FHL1 Antibody (C-term) - Additional Information

Gene ID 2273

Other Names
Four and a half LIM domains protein 1, FHL-1, Skeletal muscle LIM-protein 1, SLIM, SLIM-1, FHL1, SLIM1

Target/Specificity
This FHL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-240 amino acids from the C-terminal region of human FHL1.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
FHL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FHL1 Antibody (C-term) - Protein Information

Name FHL1

Synonyms SLIM1

Function May have an involvement in muscle development or hypertrophy.

Cellular Location
[Isoform 1]: Cytoplasm. [Isoform 2]: Nucleus. Cytoplasm, cytosol. Note=Predominantly nuclear in myoblasts but is cytosolic in differentiated myotubes

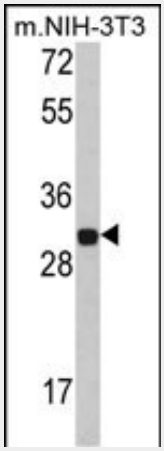
Tissue Location
Isoform 1 is highly expressed in skeletal muscle and to a lesser extent in heart, placenta, ovary, prostate, testis, small intestine, colon and spleen. Expression is barely detectable in brain, lung, liver, kidney, pancreas, thymus and peripheral blood leukocytes. Isoform 2 is expressed in brain, skeletal muscle and to a lesser extent in heart, colon, prostate and small intestine. Isoform 3 is expressed in testis, heart and skeletal muscle

FHL1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

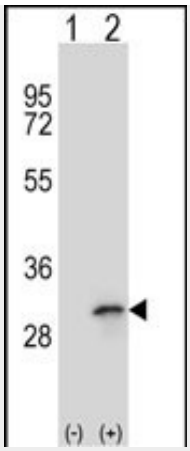
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FHL1 Antibody (C-term) - Images

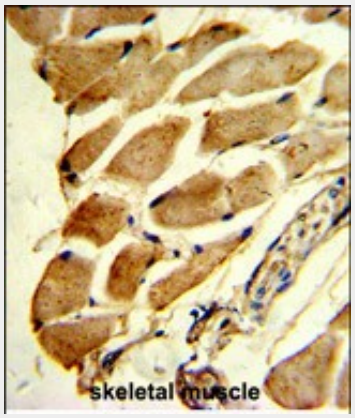


Western blot analysis of FHL1 Antibody (C-term) (Cat. #AP6852b) in NIH-3T3 cell line lysates (35ug/lane). FHL1 (arrow) was detected using the purified Pab.

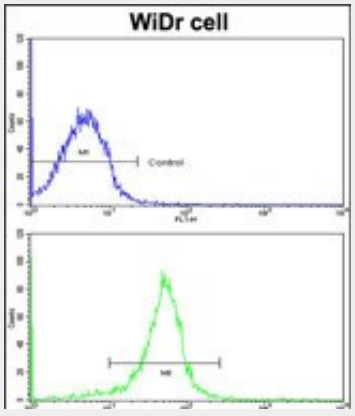
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Western blot analysis of FHL1 (arrow) using rabbit polyclonal FHL1 Antibody (C-term) (Cat. #AP6852b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FHL1 gene.



Formalin-fixed and paraffin-embedded human skeletal muscle reacted with FHL1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of widr cells using FHL1 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

FHL1 Antibody (C-term) - Background

FHL1 is a member of the four-and-a-half-LIM-only protein family. Family members contain two

highly conserved, tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- and tissue-specific mode and these proteins are involved in many cellular processes.

FHL1 Antibody (C-term) - References

Gueneau,L., et.al., Am. J. Hum. Genet. 85 (3), 338-353 (2009)