

FHL1 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6852b**Specification**

FHL1 Antibody (C-term) - Product Information

Application	WB, FC, IHC-P,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

FC~~1:10~50

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

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

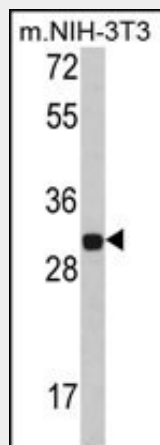
Tissue Location

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

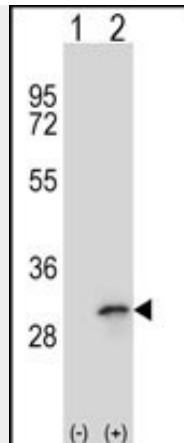
FHL1 Antibody (C-term) - Protocols

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

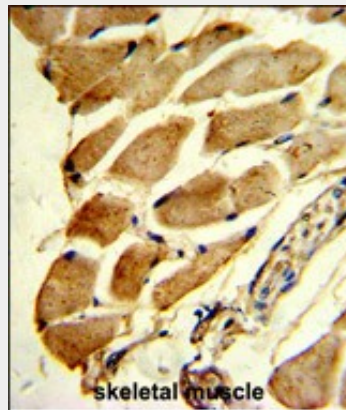
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FHL1 Antibody (C-term) - Images

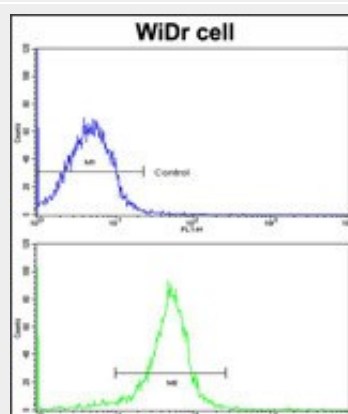
Western blot analysis of FHL1 Antibody (C-term) (Cat. #AP6852b) in NIH-3T3 cell line lysates (35ug/lane). FHL1 (arrow) was detected using the purified Pab.



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)