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FHL1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FHL1.
Catalog # AT2048a

Product Information

Application	WB, E
Primary Accession	Q13642
Other Accession	NM_001449
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2A9
Calculated MW	36263

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	FHL1 (NP_001440, 23 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FHL1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

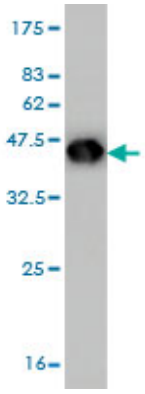
Background

This gene encodes 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. Mutations in this gene have been found in patients with Emery-Dreifuss muscular dystrophy. Multiple alternately spliced transcript variants which encode different protein isoforms have been described.

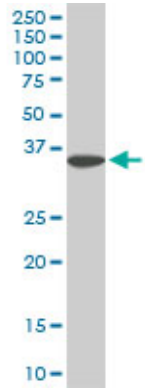
References

1.Carbonic Anhydrase III and Four-and-a-Half LIM Protein 1 are preferentially oxidized with muscle unloading.Chen CN, Ferrington DA, Thompson LV.J Appl Physiol. 2008 Nov;105(5):1554-61. Epub 2008 Aug 28.

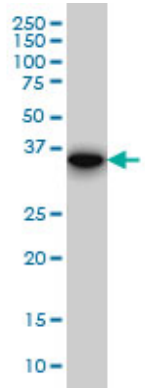
Images



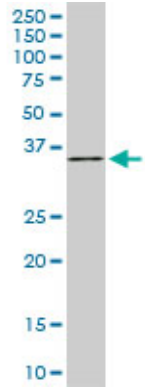
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



FHL1 monoclonal antibody (M01), clone 2A9. Western Blot analysis of FHL1 expression in PC-12((Cat # AT2048a)

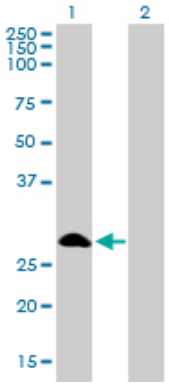


FHL1 monoclonal antibody (M01), clone 2A9. Western Blot analysis of FHL1 expression in Raw 264.7.



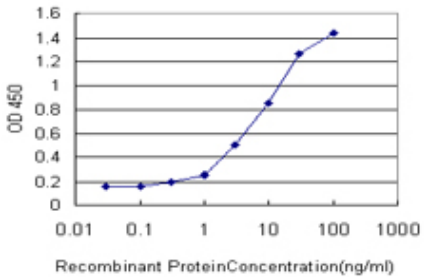
FHL1 monoclonal antibody (M01), clone 2A9. Western Blot analysis of FHL1 expression in NIH/3T3((Cat # AT2048a)

Western Blot analysis of FHL1 expression in transfected



293T cell line by FHL1 monoclonal antibody (M01), clone 2A9.

Lane 1: FHL1 transfected lysate(31.9 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged FHL1 is approximately 0.3ng/ml as a capture antibody.

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