

Product datasheet for **TA501295M**

FHL1 Mouse Monoclonal Antibody [Clone ID: OTI1D6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D6
Applications:	FC, WB
Recommended Dilution:	WB 1:1000~2000, FLOW 1:100
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FHL1 (NP_001440) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.89 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31.7 kDa
Gene Name:	four and a half LIM domains 1
Database Link:	NP_001440 Entrez Gene 14199 Mouse Entrez Gene 25177 Rat Entrez Gene 2273 Human Q13642


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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.

Synonyms:

FHL-1; FHL1A; FHL1B; FLH1A; KYOT; SLIM; SLIM-1; SLIM1; SLIMMER; XMPMA

Product images:

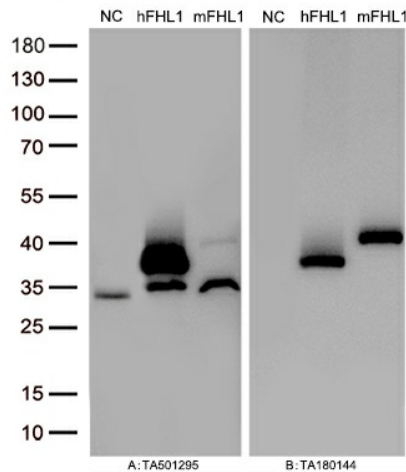
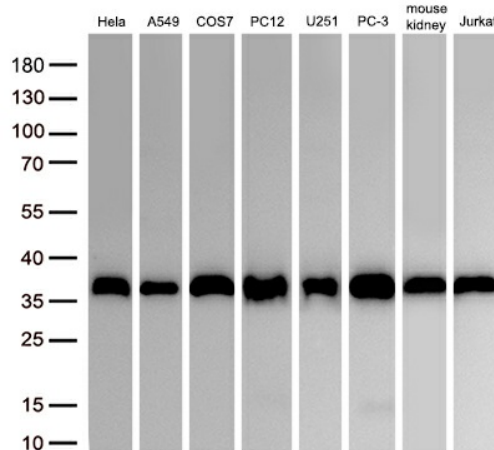
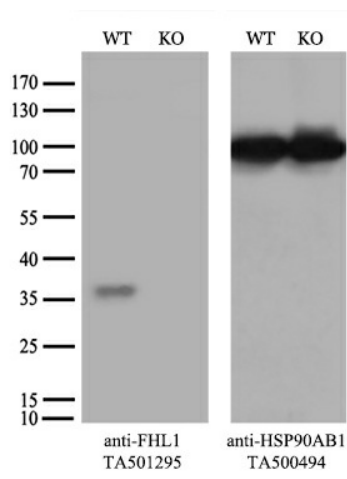


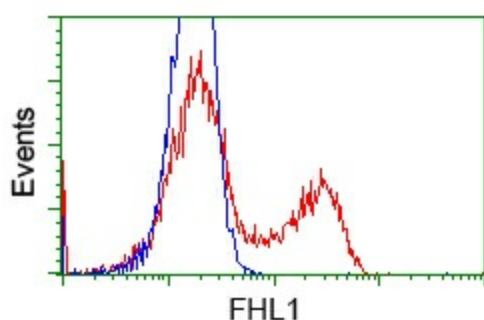
Figure A, Western blot analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human FHL1 plasmid ([RC203478], hFHL1), mouse FHL1 plasmid ([MR216746], mFHL1) using anti-FHL1 antibody [TA501295] (1:5000@1mg/ml). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:5000@1mg/ml).



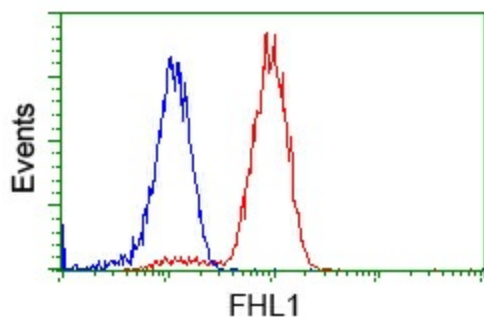
Western blot analysis of extracts (50ug per lane) from 7 different cell lines and 1 tissue lysates by using anti-FHL1 antibody ([TA501295], 1:2000@1mg/ml).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and FHL1-Knockout HeLa cells (KO, Cat# [LC835844]) were separated by SDS-PAGE and immunoblotted with anti-FHL1 monoclonal antibody [TA501295] (1:200). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



HEK293T cells transfected with either [RC203478] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FHL1 antibody ([TA501295]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-FHL1 antibody ([TA501295]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).