

## Product datasheet for **CF501375**

### FHL1 Mouse Monoclonal Antibody [Clone ID: OTI3H3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3H3
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FHL1 (NP_001440) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	<a href="#">NP_001440</a> <a href="#">Entrez Gene 14199 Mouse</a> <a href="#">Entrez Gene 25177 Rat</a> <a href="#">Entrez Gene 2273 Human</a> <a href="#">Q13642</a>



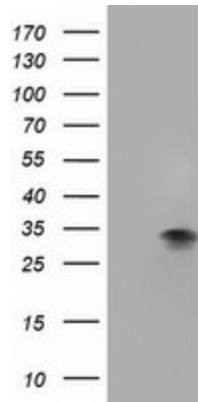
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**Background:**

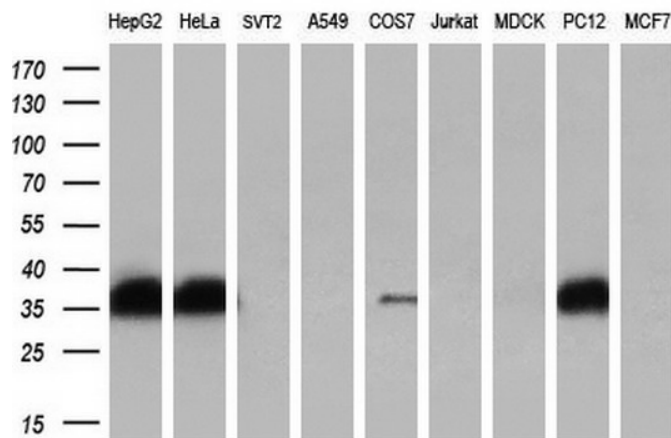
This gene encodes a member of the four-and-a-half-LIM-only protein family. Family members contain two highly conserved, tandemly arranged, zinc finger domains with four highly conserved cysteines binding a zinc atom in each zinc finger. Expression of these family members occurs in a cell- and tissue-specific 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:**

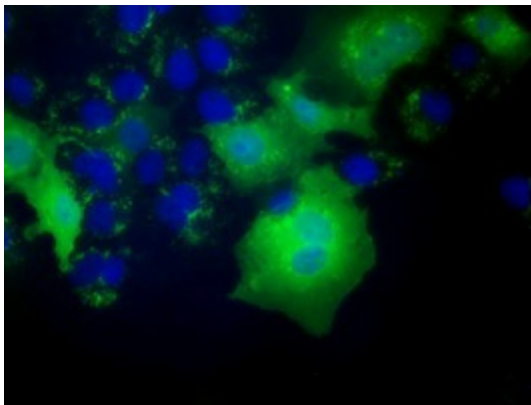
FHL-1; FHL1A; FHL1B; FLH1A; KYOT; SLIM; SLIM-1; SLIM1; SLIMMER; XMPMA

**Product images:**


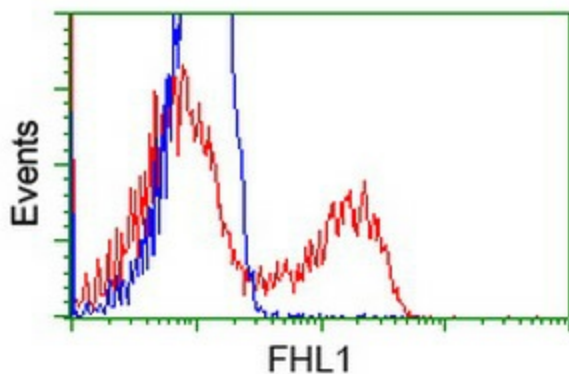
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FHL1 [RC203478], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FHL1. Positive lysates [LY400563] (100ug) and [LC400563] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FHL1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



Anti-FHL1 mouse monoclonal antibody ([TA501375]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FHL1 ([RC203478]).



HEK293T cells transfected with either [RC203478] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FHL1 antibody ([TA501375]), and then analyzed by flow cytometry.