

Mouse FHL2 Monoclonal Antibody | anti-FHL2 antibody

FHL2, Human, mAb F4B2-B11

CATALOG # AAA77769	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Immunohistochemistry
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PRODUCT SYNONYMS

FHL2; Monoclonal Antibody; Human; mAb F4B2-B11; anti-FHL2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	F4B2-B11
Purity/Purification	Protein G
Form/Format	0.2 um filtered in PBS+0.1% BSA+0.02% NaN3
Concentration	100 ug/mL (varies by lot)
Applicable Applications for anti-FHL2 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Preparation and Storage	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

ADDITIONAL INFORMATION

Related Product Information for anti-FHL2 antibody	<p>The monoclonal antibody F4B2-B11 reacts specifically with the LIM-only protein FHL2. Five proteins share the same structural organization and a high degree of sequence homology in this group: four and a half LIM domain protein (FHL) 1, FHL2, FHL3, FHL4, and activator of cAMP-responsive element (CRE) modulator (CREM) in testis (ACT). LIM domains are constituted by a conserved cysteine- and histidine-rich structure shaped in two repeated zinc fingers first identified in the proteins encoded by the Lin-11, Isl-1, and Mec-3 genes. The LIM domain has been shown to function as a protein-protein interaction domain, and has often been described in association with other functional protein motifs, such as homeobox and kinase domains. FHL2 seems to be a promiscuous coactivator because it modulates the activity of the androgen receptor, CRE-binding protein (CREB), and WT1, although some degree of specificity is present because it is unable to stimulate CREM- and Sp1-dependent transcription. FHL2 expression was originally described to be restricted to the heart but it is inducible in other cell types. FHL2 shows specific interaction with beta-catenin, which requires the intact structure of all four LIM domains of FHL2 and the N-terminus plus the first armadillo repeat region of beta-catenin. FHL2 is a muscle-specific repressor of LEF/TCF target genes and promotes myogenic differentiation by interacting with beta-catenin. Monoclonal antibody F4B2-B11 recognizes the N-terminal Zn-Finger motif, it does not crossreact in Western Blotting with the FHL1 and FHL3 proteins. The F4B2-B11 antibody is cross reactive with mouse and rat FHL2.</p>
References	<p>1. Samson, T et al; The LIM-only proteins FHL2 and FHL3 interact with alpha- and beta-subunits of the muscle alpha7beta1 integrin receptor. J Biol Chem 2004, 279: 28641 2. Martin, B et al; The LIM-only protein FHL2 interacts with beta-catenin and promotes differentiation of mouse myoblasts. J Cell Biol 2002, 159: 113</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	87159836
NCBI GeneID	2274

NCBI Accession #	NP_001034581.1
NCBI GenBank Nucleotide #	NM_001039492.2
NCBI Official Full Name	four and a half LIM domains protein 2
NCBI Official Synonym Full Names	four and a half LIM domains 2
NCBI Official Symbol	FHL2
NCBI Official Synonym Symbols	DRAL; AAG11; FHL-2; SLIM3; SLIM-3
NCBI Protein Information	four and a half LIM domains protein 2; LIM domain protein DRAL; aging-associated gene 11; skeletal muscle LIM-protein 3; down-regulated in rhabdomyosarcoma LIM protein
UniProt Protein Name	Four and a half LIM domains protein 2
UniProt Gene Name	FHL2
UniProt Synonym Gene Names	DRAL; SLIM3; FHL-2; SLIM-3
UniProt Entry Name	FHL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fhl2-antibody-clone-f4b2-b11-western-blot-immunofluorescence-immunohistochemistry-elisa/77769>