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# Anti-FHL3 Picoband Antibody

Catalog # ABO11682

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q13643 |
| **Host** | Rabbit |
| **Reactivity** | Human, Rat |
| **Clonality** | Polyclonal |
| **Format** | Lyophilized |
| **Description** | Rabbit IgG polyclonal antibody for Four and a half LIM domains protein 3(FHL3) detection. Tested with WB in Human;Rat. |
| **Reconstitution** | Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |

## Additional Information

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| **Gene ID** | 2275 |
| **Other Names** | Four and a half LIM domains protein 3, FHL-3, Skeletal muscle LIM-protein 2, SLIM-2, FHL3, SLIM2 |
| **Calculated MW** | 31192 |
| **Application Details** | Western blot, 0.1-0.5 □g/ml, Human, Rat |
| **Tissue Specificity** | Expressed only in skeletal muscle. |
| **Source** | Eukaryota |
| **Protein Name** | Four and a half LIM domains protein 3 |
| **Contents** | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3. |
| **Immunogen** | A synthetic peptide corresponding to a sequence at the N-terminus of human FHL3 (41-84aa AECQQLIGHDSRELFYEDRHFHEGCFRCCRCQRSLADEPFTCQD), identical to the related mouse sequence. |
| **Purification** | Immunogen affinity purified. |
| **Cross Reactivity** | No cross reactivity with other proteins. |
| **Storage** | At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing. |

## Protein Information

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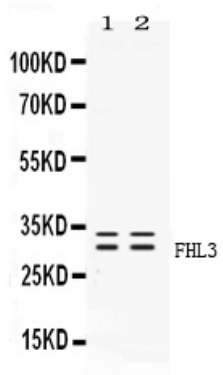
| **Name** | FHL3 |
| **Synonyms** | SLIM2 |
| **Function** | Recruited by SOX15 to FOXK1 promoters where it acts as a transcriptional coactivator of FOXK1. |
| **Cellular Location** | Nucleus {ECO:0000250\|UniProtKB:Q9R059}. Cytoplasm {ECO:0000250\|UniProtKB:Q9R059} |
| **Tissue Location** | Expressed only in skeletal muscle. |

## Background

Four and a half LIM domains protein 3 is a protein that in humans is encoded by the FHL3 gene. The protein encoded by this gene is a member of a family of proteins containing a four-and-a-half LIM domain, which is a highly conserved double zinc finger motif. The encoded protein has been shown to interact with the cancer developmental regulators SMAD2, SMAD3, and SMAD4, the skeletal muscle myogenesis protein MyoD, and the high-affinity IgE beta chain regulator MZF-1. This protein may be involved in tumor suppression, repression of MyoD expression, and repression of IgE receptor expression. Two transcript variants encoding different isoforms have been found for this gene.

## Images




Western blot analysis of FHL3 expression in rat testis extract (lane 1) and PANC-1 whole cell lysates (lane 2). FHL3 at 31KD was detected using rabbit anti- FHL3 Antigen Affinity purified polyclonal antibody (Catalog # ABO11682) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .