Datasheet for ABIN7306298

# anti-FHL1 antibody

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | FHL1 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FHL1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Immunochromatography (IC) |

## Product Details

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|---|---|
| Immunogen: | Recombinant full length protein of human FHL-1 |
| Specificity: | Recognizes endogenous levels of FHL-1 protein. |
| Characteristics: | Rabbit polyclonal antibody to FHL-1 |
| Purification: | The antibody was purified by immunogen affinity chromatography. |

## Target Details

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|---|---|
| Target: | FHL1 |
| Alternative Name: | FHL-1 (FHL1 Products) |
| Background: | SLIM1, Four and a half LIM domains protein 1, FHL-1, Skeletal muscle LIM-protein 1, SLIM, SLIM-1 |
| Gene ID: | 2273, 14199, 25177 |

## Target Details

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| UniProt: | Q13642, P97447, Q9WUH4 |

## Application Details

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|---|---|
| Application Notes: | WB (1:500 - 1:2000), IF/IC (1:50 - 1:100) |
| Restrictions: | For Research Use only |

## Handling

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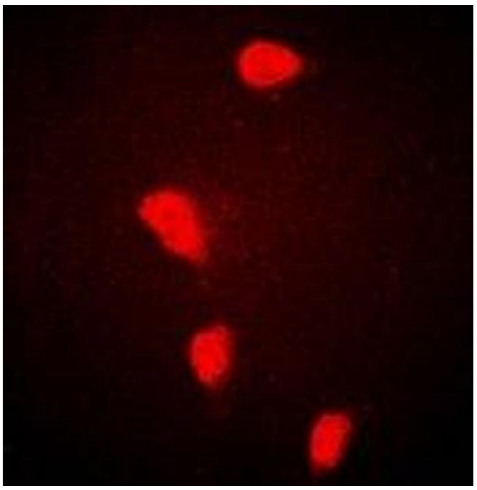
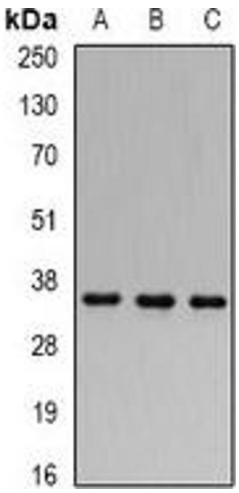
|---|---|
| Format: | Liquid |
| Buffer: | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |
| Expiry Date: | 12 months |

## Images



**Immunofluorescence**

**Image 1.** Immunofluorescent analysis of FHL-1 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody




**Western Blotting**

**Image 2.** Western blot analysis of FHL-1 expression in 22RV1 (A), MCF7 (B), mouse kidney (C) whole cell lysates.

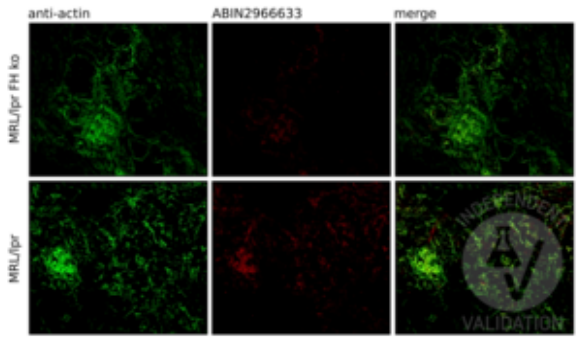

**Successfully validated (Immunofluorescence (IF))**

by Alexander Lab, Jacobs School of Medicine and Biomedical Sciences, Department of Medicine, University of Buffalo

Report Number: 101371

Date: Jul 19 2017

| | |
|---|---|
| Target: | FHL-1 |
| Lot Number: | AL1F04A |
| Method validated: | Immunofluorescence (IF) |
| Positive Control: | MRL/lpr lupus mice (14 weeks of age) |
| Negative Control: | FH knockout MRL/lpr lupus mice |
| Notes: | Passed. ABIN2966633 works well on murine kidney samples and shows the expected CFH1 localization. |
| Primary Antibody: | ABIN2966633 |
| Secondary Antibody: | goat anti-rabbit rhodamine conjugated antibody (ThermoFisher Scientific, T-2769, lot 6251) |
| Protocol: | • Prepare kidneys of wt and complement factor H ko MRL/lpr lupus mice of 14 weeks of age.<br>• Snap-freeze kidneys in 2-methylbutane cooled on dry ice and keep at −80°C until use.<br>• Sections were cut at 8µm using the cryostat.<br>• Dry sections for 30min at RT.<br>• Hydrate sections in PBS 2x for 15min at RT.<br>• Fix cryostat sections with 4% paraformaldehyde (PFA) for 15min at RT.<br>• Wash sections 2x with PBS for 15min at RT.<br>• Incubate sections with primary rabbit anti-FHL-1 antibody (antibodies-online, ABIN2966633, AL1F04A) diluted 1:100 in PBS ON at 4°C.<br>• Wash sections 2x for 15min with PBS.<br>• Incubate sections with secondary goat anti-rabbit rhodamine conjugated antibody (ThermoFisher Scientific, T-2769, lot 6251) diluted 1:100 in PBS for 30min at RT.<br>• Wash sections 2x for 15min with PBS.<br>• Incubate sections with ActinGreen 488 ReadyProbes Reagent (ThermoFisher Scientific, R37122, lot 1700569) diluted 1:100 in PBS for 30min at RT.<br>• Wash sections 2x for 15min with PBS.<br>• Image acquisition on a Zeiss microscope (Carl Zeiss, Oberkochen, Germany). |




**Validation image no. 1 for anti-Four and A Half LIM Domains 1 (FHL1) antibody (ABIN2966633)**

IF staining with ABIN2966633 of kidneys harvested from 14 week old MRL/lpr mice sufficient and deficient in factor H. Cryosections were fixed, stained and images acquired as described in the protocol.