



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06507 - Goat Anti-Fhl1/ Slim1 (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** FHL1, SLIM1, KYO-T, RP11-535K18.1, FHL1A, four and a half LIM domains 1, Four-and-a-half LIM domains 1, skeletal muscle LIM-protein1, FHL1B, KYOT, MGC111107, SLIMMER, XMPMA, four-and-a-half Lin11, Isl-1 and Mec-3 domains 1, FHL-1, FLH1A, SLIM-1, LIM protein SLIMMER, SLIM

**Official Symbol:** Fhl1

**Accession Number(s):** NP\_001070830.1; NP\_001274729.1

**Non-Human GeneID(s):** 14199 (mouse), 25177 (rat)

**Important Comments:** This antibody is expected to recognize Mouse NP\_001070830.1 iso 2, NP\_001274729.1 iso 3 and Rat NP\_001029098.1 iso 1, NP\_001258128.1 iso 3.

### Immunogen

Peptide with sequence CNKRQVVFHNEQVY, from the internal region of the protein sequence according to NP\_001070830.1; NP\_001274729.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 32kDa band observed in Human, Mouse and Rat Skeletal Muscle lysates and in Rat Lung and Testis lysates (calculated MW of 31.9kDa according to Mouse NP\_001274729.1 and Rat NP\_001258128.1). Recommended concentration: 0.01-0.5µg/ml. Primary incubation 1 hour at room temperature.

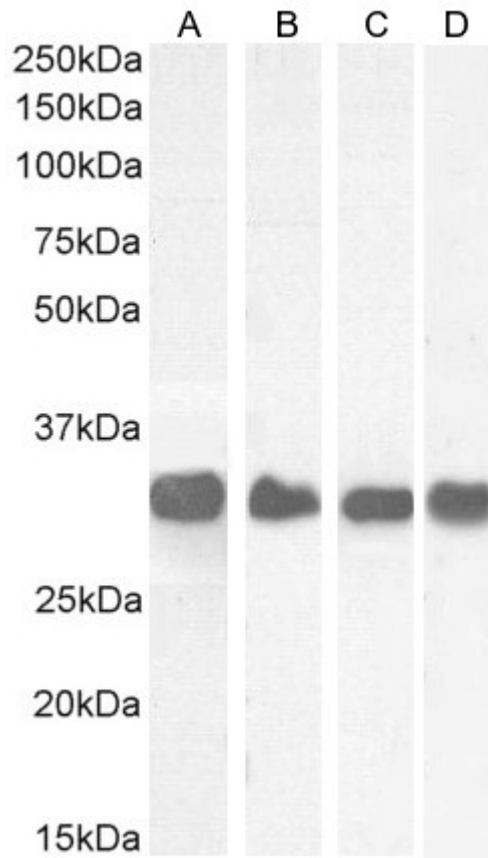
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of U2OS cells. Recommended concentration: 10ug/ml.

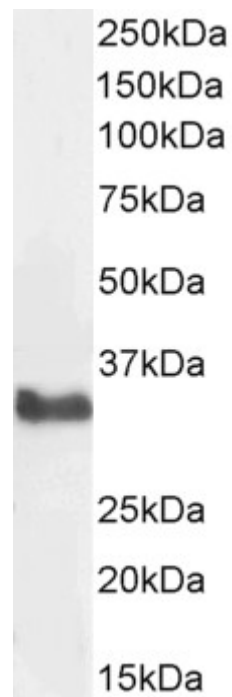
### Species Reactivity

**Tested:** Human, Mouse, Rat

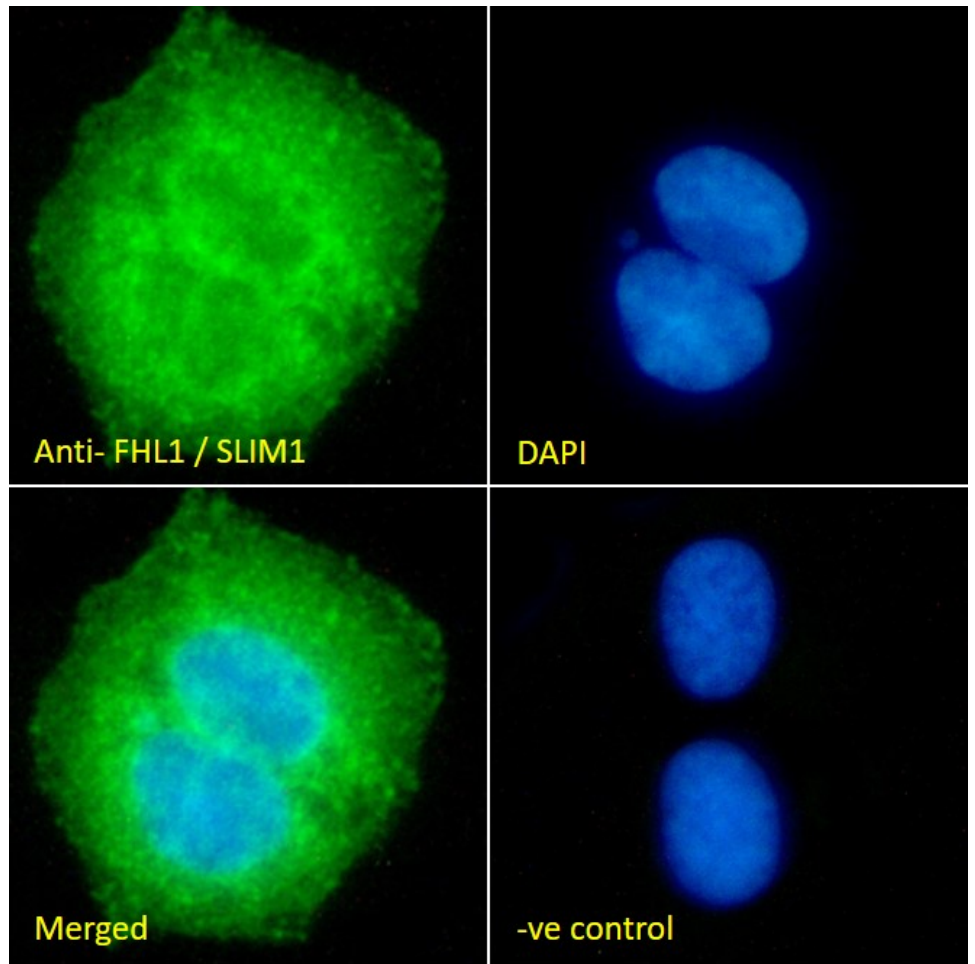
**Expected from sequence similarity:** Human, Mouse, Rat, Ciow



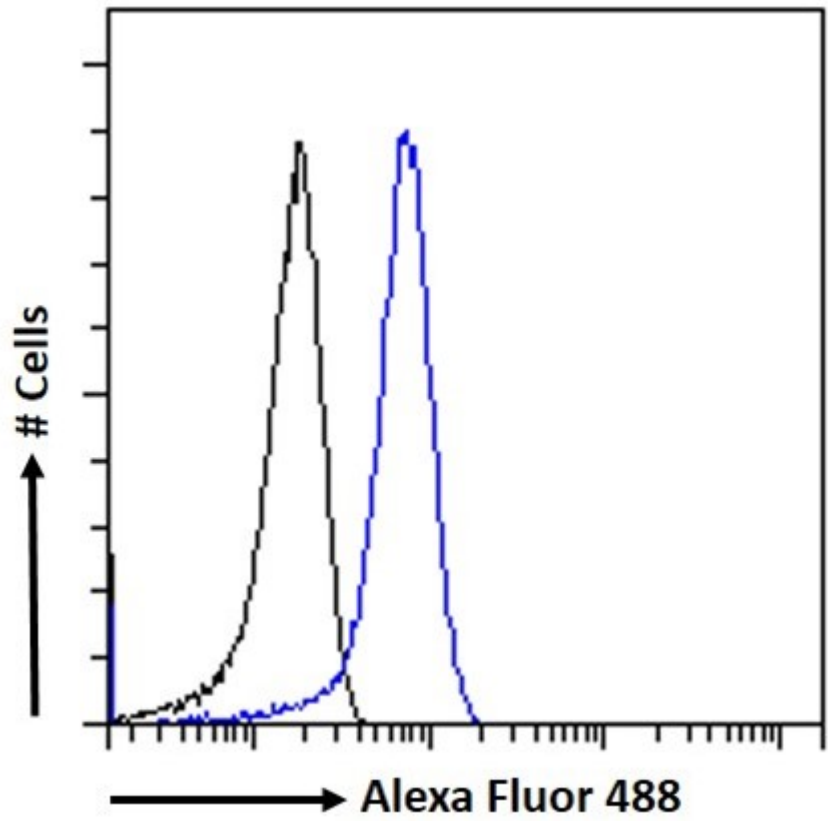
EB06507 (0.1 $\mu$ g/ml) staining of Mouse Skeletal Muscle (A), Rat Lung (B), Rat Skeletal Muscle (C) and (0.5 $\mu$ g/ml Rat Testes (D) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06507 (0.01 $\mu$ g/ml) staining of Human Skeletal Muscle lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06507 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06507 Flow cytometric analysis of paraformaldehyde fixed U2OS cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml).