

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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 GenelD(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 CNKRFVFHNEQVY, 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.

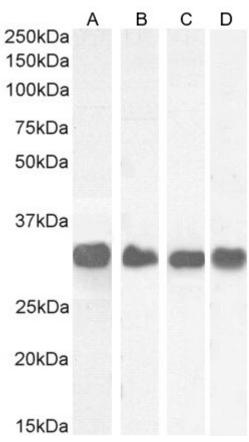
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U2OS cells. Recommended concentration: 10μg/ml.

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

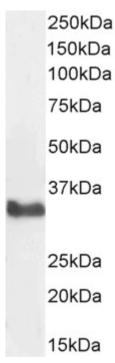
Species Reactivity

Tested: Human, Mouse, Rat

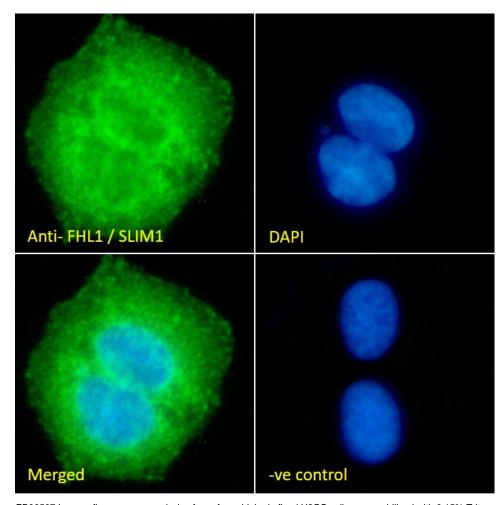
Expected from sequence similarity: Human, Mouse, Rat, Ciow



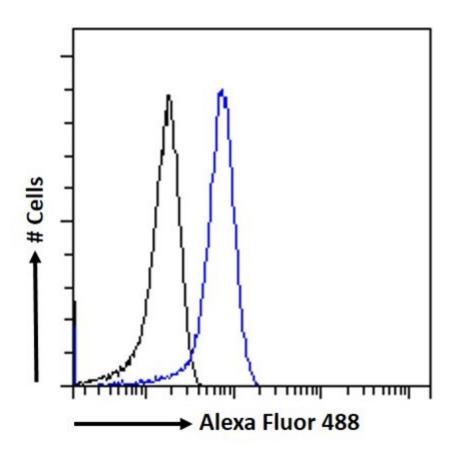
EB06507 (0.1μg/ml) staining of Mouse Skeletal Muscle (A), Rat Lung (B), Rat Skeletal Muscle (C) and (0.5ug/ml Rat Testes (D) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB06507 (0.01μg/ml) staining of Human Skeletal Muscle lysate (35μg 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).