

FBLIM1 (H-73): sc-134724

BACKGROUND

FBLIM1 (filamin binding LIM protein 1), also known as CAL (CSX-associated LIM), Mig-2-interacting protein or Migfilin, is a cytoplasmic protein that belongs to the LIM superfamily. Three isoforms exist for FBLIM1 due to alternative splicing events, namely FBLP-1A, FBLP-1 and FBLP-1B. All three isoforms are expressed in pancreas, kidney, placenta, lung, platelets and heart, while FBLP-1 is also expressed in brain and skeletal muscle. Depending on the isoform, FBLIM1 contains a proline-rich domain and two or three C-terminal LIM zinc-binding domains. FBLIM1 specifically localizes to cell-matrix adhesion sites and, via its C-terminus, interacts with Mig-2 functioning as an important scaffold protein. Via its N-terminus, FBLIM1 interacts with Filamin 3 and provides an anchoring site for Actin filaments, linking cell-matrix adhesions with the actin cytoskeleton. In addition, FBLIM1 is capable of translocating to the nucleus and regulating gene expression.

REFERENCES

1. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 607747. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
2. Tu, Y., et al. 2003. Migfilin and Mig-2 link focal adhesions to filamin and the actin cytoskeleton and function in cell shape modulation. *Cell* 113: 37-47.

CHROMOSOMAL LOCATION

Genetic locus: FBLIM1 (human) mapping to 1p36.21; Fblim1 (mouse) mapping to 4 E1.

SOURCE

FBLIM1 (H-73) is a rabbit polyclonal antibody raised against amino acids 301-373 mapping at the C-terminus of FBLIM1 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

FBLIM1 (H-73) is recommended for detection of FBLIM1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

FBLIM1 (H-73) is also recommended for detection of FBLIM1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FBLIM1 siRNA (h): sc-88837, FBLIM1 siRNA (m): sc-145095, FBLIM1 shRNA Plasmid (h): sc-88837-SH, FBLIM1 shRNA Plasmid (m): sc-145095-SH, FBLIM1 shRNA (h) Lentiviral Particles: sc-88837-V and FBLIM1 shRNA (m) Lentiviral Particles: sc-145095-V.

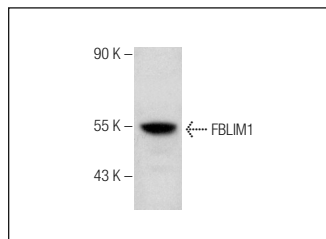
Molecular Weight of FBLIM1: 50 kDa.

Positive Controls: WI 38 whole cell lysate or Hep G2 cell lysate: sc-2227.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



FBLIM1 (H-73): sc-134724. Western blot analysis of FBLIM1 expression in WI 38 whole cell lysate.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

MONOS
Satisfaction
Guaranteed

Try **FBLIM1 (G-7): sc-271417**, our highly recommended monoclonal alternative to FBLIM1 (H-73).