

FLNB

Reactivity: Human Mouse Rat

Tested applications: WB IF

Recommended Dilution: WB 1:500 - 1:1000 IF 1:20 - 1:50

Calculated MW: 278kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human FLNB

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ABP-278; AOI; DKFZp686A1668; DKFZp686O033; FH1; FLN1L; LRS1; SCT; TABP; TAP;

Catalog #: A2481

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2317

Isotype: IgG

Swiss Prot: O75369

Purity: Affinity purification

For research use only.

Background:

Filamins are a family of dimeric actin binding proteins that function as structural components of cell adhesion sites. They also serve as a scaffold for subcellular targeting of signaling molecules (1). The actin binding domain (alpha-actinin domain) located at the amino terminus is followed by as many as 24 tandem repeats of about 96 residues and the dimerization domain is located at the carboxy terminus. In addition to actin filaments, filamins associate with other structural and signaling molecules such as beta integrins, Rho/Rac/Cdc42, PKC, and the insulin receptor, primarily through the carboxy-terminal dimerization domain (1-3). Filamin A, the most abundant, and filamin B are widely expressed isoforms, while filamin C is predominantly expressed in muscle (1). Filamin A is phosphorylated by PAK1 at Ser2152, which is required for PAK1-mediated actin cytoskeleton reorganization (4).

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