

FBLI1 rabbit pAb

Catalog No :	YT7421
Reactivity :	Human;Mouse
Applications :	WB
Target :	FBLI1
Gene Name :	FBLIM1 FBLP1
Protein Name :	FBLI1
Human Gene Id :	54751
Human Swiss Prot No :	Q8WUP2
Mouse Gene Id :	74202
Mouse Swiss Prot No :	Q71FD7
Immunogen :	Synthesized peptide derived from human FBLI1 AA range: 157-207
Specificity :	This antibody detects endogenous levels of FBLI1 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 41kD

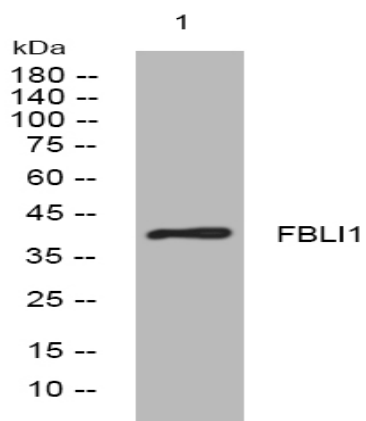
Background : This gene encodes a protein with an N-terminal filamin-binding domain, a central proline-rich domain, and, multiple C-terminal LIM domains. This protein localizes at cell junctions and may link cell adhesion structures to the actin cytoskeleton. This protein may be involved in the assembly and stabilization of actin-filaments and likely plays a role in modulating cell adhesion, cell morphology and cell motility. This protein also localizes to the nucleus and may affect cardiomyocyte differentiation after binding with the CSX/NKX2-5 transcription factor. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

Function : function:Serves as an anchoring site for cell-ECM adhesion proteins and filamin-containing actin filaments. Is implicated in cell shape modulation (spreading) and motility. May participate in the regulation of filamin-mediated cross-linking and stabilization of actin filaments. May also regulate the assembly of filamin-containing signaling complexes that control actin assembly.,similarity:Contains 3 LIM zinc-binding domains.,subcellular location:Associated with actin stress fiber at cell-ECM focal adhesion sites. Isoform 1 and isoform 3 are recruited and localized at actin stress fibers and clustered at cell-EMC adhesion sites through interaction with PLEKHC1. Isoform 2 is localized at actin stress fibers.,subunit:Isoform 1 and isoform 3 interact with PLEKHC1, FLNA and FLNC. Isoform 2 interacts with FLNB. Interacts with NKX2-5.,tissue specificity:Isoform 1 and isoform 3 are expressed in

Subcellular Location : Cell junction, focal adhesion . Cytoplasm, cytoskeleton, stress fiber . Associated with actin stress fiber at cell-ECM focal adhesion sites (PubMed:12679033, PubMed:18829455). Isoform 1 and isoform 3 are recruited and localized at actin stress fibers and clustered at cell-EMC adhesion sites through interaction with FERMT2 (PubMed:12679033). Isoform 2 is localized at actin stress fibers (PubMed:12496242). .

Expression : Isoform 1 and isoform 3 are expressed in heart, kidney, lung, pancreas, placenta and platelets. Isoform 2 is expressed in brain, heart, kidney, lung, pancreas, placenta, skeletal muscle and platelets.

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Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4° over night