

For Research Use Only

FBLIM1 Polyclonal antibody

Catalog Number: 13349-1-AP **1 Publications**



Basic Information

Catalog Number: 13349-1-AP	GenBank Accession Number: BC019895	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 553 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 54751	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	Full Name: filamin binding LIM protein 1	
Isotype: IgG	Calculated MW: 373 aa, 41 kDa	
Immunogen Catalog Number: AG3907	Observed MW: 45-48 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human lung cancer tissue,
Cited Applications: IF	
Species Specificity: human	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

FBLIM1, also known as CAL, Mig-2-interacting protein or Migfilin, is a cytoplasmic protein that belongs to the LIM superfamily. FBLIM1 is a protein found in cell-cell and cell-ECM connections where it co-localizes with FLNA/C and FLNB. FBLIM1 was found to bind directly to FLNA/C and to be an important regulator of cell shape and motility. FBLIM1 exerts its influence on cellular functions by interacting with various binding partners; FLN via its N-terminal domain, VASP and Src via its proline-rich region, and kindlin-2 and the cardiac transcription factor, CSX/NKX2-5 via its C-terminal LIM domains. Three isoforms exist for FBLIM1 due to alternative splicing events, namely FBLP-1A, FBLP-1 and FBLP-1B. FBLIM1 serves as an anchoring site for cell-ECM adhesion proteins and filamin-containing actin filaments. It is associated with actin stress fiber at cell-ECM focal adhesion sites. FBLP-1A and FBLP-1B are recruited and localized at actin stress fibers and clustered at cell-ECM adhesion sites through interaction with PLEKHC1. FBLP-1 is localized at actin stress fibers. FBLIM1 is implicated in cell shape modulation (spreading) and motility. FBLIM1 participate in the regulation of filamin-mediated cross-linking and stabilization of actin filaments. It may also regulate the assembly of filamin-containing signaling complexes that control actin assembly. In addition, FBLIM1 is capable of translocating to the nucleus and regulating gene expression. This antibody is a rabbit polyclonal antibody raised against full length human FBLIM1 antigen.

Notable Publications

Author	Pubmed ID	Journal	Application
Bandyopadhyay Aditi A	22328497	J Cell Sci	IF

Storage

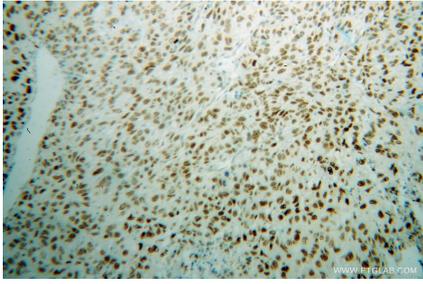
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

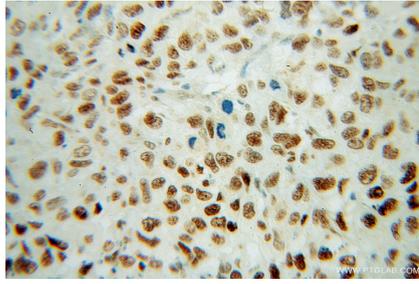
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer using 13349-1-AP (FBLIM1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 13349-1-AP (FBLIM1 antibody) at dilution of 1:100 (under 40x lens).