

For Research Use Only

# FBLIM1 Polyclonal antibody

Catalog Number: 13349-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 13349-1-AP	<b>GenBank Accession Number:</b> BC019895	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop and 553 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 54751	<b>Recommended Dilutions:</b> IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WUP2	
<b>Isotype:</b> IgG	<b>Full Name:</b> filamin binding LIM protein 1	
<b>Immunogen Catalog Number:</b> AG3907	<b>Calculated MW:</b> 373 aa, 41 kDa	
	<b>Observed MW:</b> 45-48 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human lung cancer tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

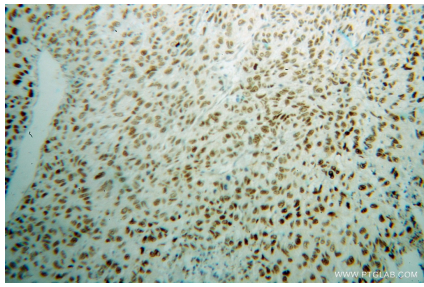
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

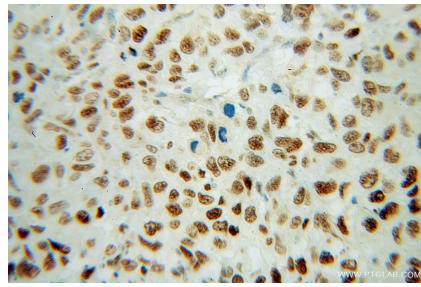
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## Selected Validation Data



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).