Product Name: PINCH (3C12) Mouse Monoclonal Antibody
Catalog #: AMM00862
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF,FC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Ascitic Fluid

Application

Dilution Ratio	WB 1:500-1:1000,ICC/IF 1:50-1:200,FC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 37 kDa; Observed MW: 37 kDa

Antigen Information

Gene Name	LIMS1
Alternative Names	LIMS1; PINCH; PINCH1; LIM and senescent cell antigen-like-containing domain protein 1; Particularly interesting new Cys-His protein 1; PINCH-1; Renal carcinoma antigen NY-REN-48
Gene ID	3987
SwissProt ID	P48059
Immunogen	

Background

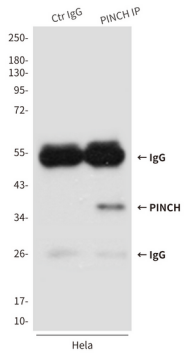
The protein encoded by this gene is an adaptor protein which contains five LIM domains, or double zinc fingers. The protein is

likely involved in integrin signaling through its LIM domain-mediated interaction with integrin-linked kinase, found in focal adhesion plaques. It is also thought to act as a bridge linking integrin-linked kinase to NCK adaptor protein 2, which is involved in growth factor receptor kinase signaling pathways. Its localization to the periphery of spreading cells also suggests that this protein may play a role in integrin-mediated cell adhesion or spreading. Several transcript variants encoding different isoforms have been found for this gene.

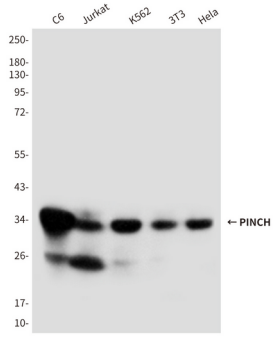
Research Area

Cardiovascular

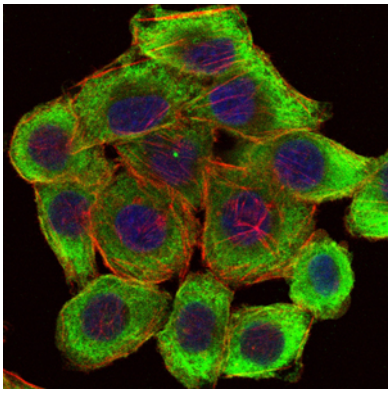
Image Data



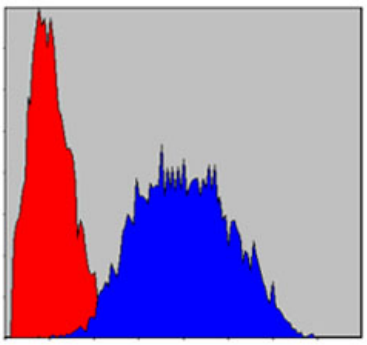
Immunoprecipitation analysis of PINCH in Hela lysates using PINCH antibody.



Western blot analysis of PINCH (3C12) in C6, Jurkat, K562, 3T3 and Hela lysates using PINCH (3C12) antibody



Immunofluorescence analysis of PINCH (3C12) in HepG2 cells using PINCH (3C12) antibody (green)and DAPI (blue).



Flow cytometry analysis of Hela stained with PINCH antibody (blue) and negative control (red).