

Product datasheet for **AM06652SU-N**

LIMS1 Mouse Monoclonal Antibody [Clone ID: 5G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5G7
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human PINCH expressed in E. Coli.
Specificity:	This antibody reacts to PINCH.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	37 kDa
Gene Name:	LIM zinc finger domain containing 1
Database Link:	Entrez Gene 3987 Human P48059



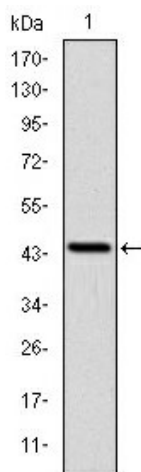
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Background:

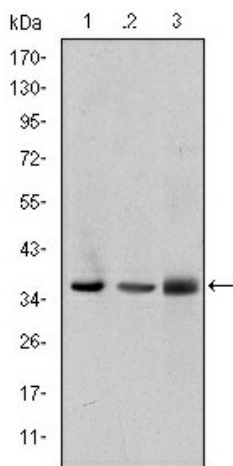
The protein encoded by this gene is an adaptor protein which contains five LIM domains, or double zinc fingers. The protein is likely involved in integrin signaling through its LIM domain-mediated interaction with integrin-linked kinase, found in focal adhesion plaques. It is also thought to act as a 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.

Synonyms:

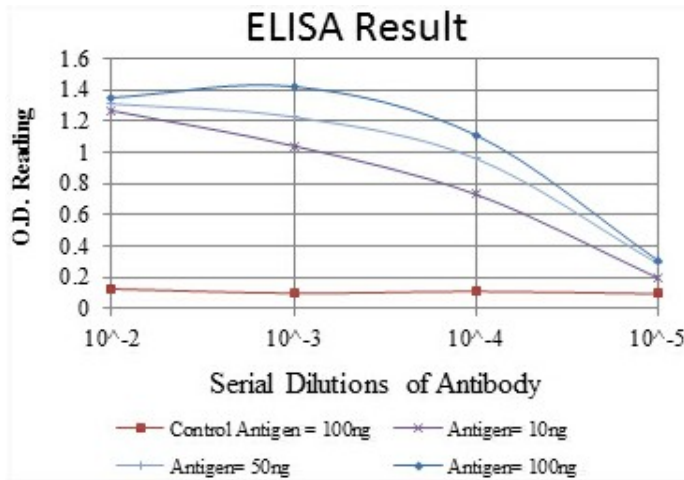
LIMS-1, PINCH, PINCH1, Particularly interesting new Cys-His protein 1, PINCH-1, Renal carcinoma antigen NY-REN-48

Product images:

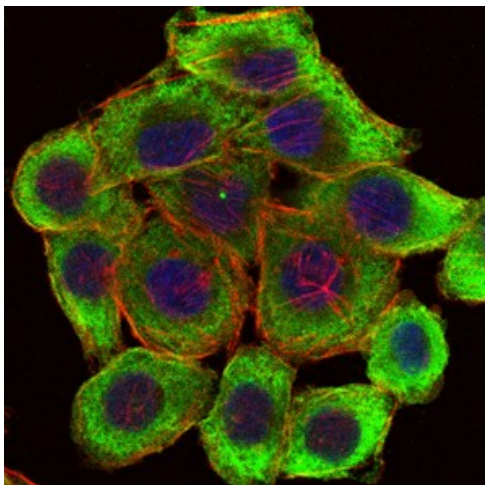
Western blot analysis using PINCH mAb against human PINCH (AA: 87-249) recombinant protein. (Expected MW is 44.2 kDa)



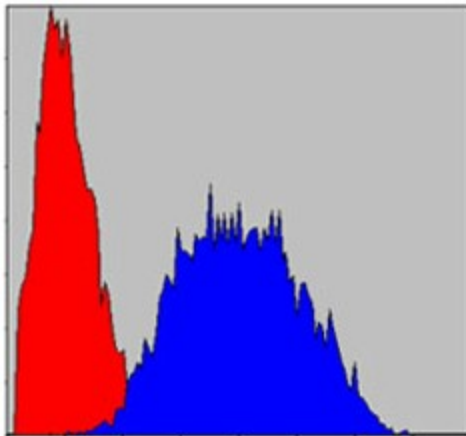
Western blot analysis using PINCH mouse mAb against A549 (1), Jurkat (2), and Hela (3) cell lysate.



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Immunofluorescence analysis of HepG2 cells using PINCH mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using PINCH mouse mAb (blue) and negative control (red).