

**Product Name: PINCH (3C12) Mouse Monoclonal Antibody**  
**Catalog #: AMM00862**

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## Summary

<b>Production Name</b>	PINCH (3C12) Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB, ICC/IF, FC, IP
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Ascitic Fluid

## Immunogen

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

## Application

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

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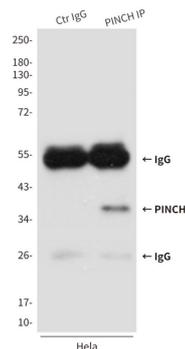
## Background

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.

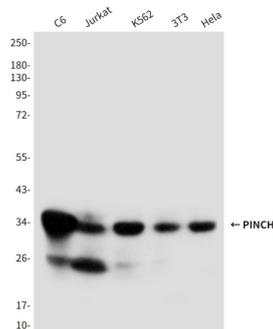
## Research Area

Cardiovascular

## Image Data



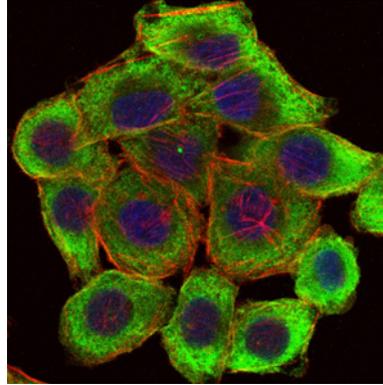
Immunoprecipitation analysis of PINCH in HeLa lysates using PINCH antibody.



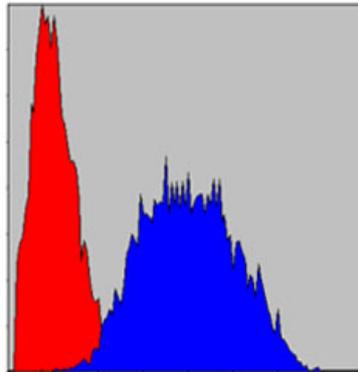
Western blot analysis of PINCH (3C12) in C6, Jurkat, K562, 3T3 and HeLa lysates using PINCH (3C12) antibody

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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).

### **Note**

For research use only.