

## PINCH (3C12) MOUSE MAB

**Cat.#:** N261198

**Product Name:** Anti-PINCH (3C12) Mouse Monoclonal Antibody

**Synonyms:** LIMSI; 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

**UNIPROT ID:** P48059

**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.

**Immunogen:** Purified recombinant fragment of human PINCH expressed in E. Coli.

**Applications:** WB, ICC/IF, FC, IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20 FC: 1/50-1/100

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 3C12-F7-A8

**MW:** Calculated MW: 37 kDa; Observed MW: 37 kDa

**Isotype:** IgG1

**Purification:** Ascitic Fluid

**Species Reactivity:** Human

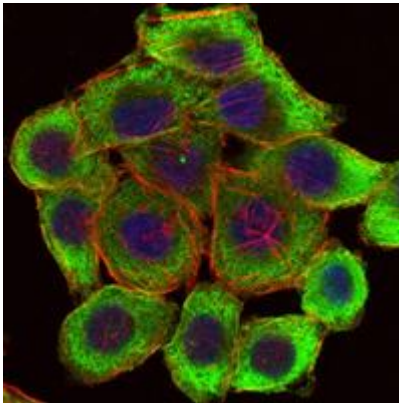
**Conjugation:** Unconjugated

**Modification:** Unmodified

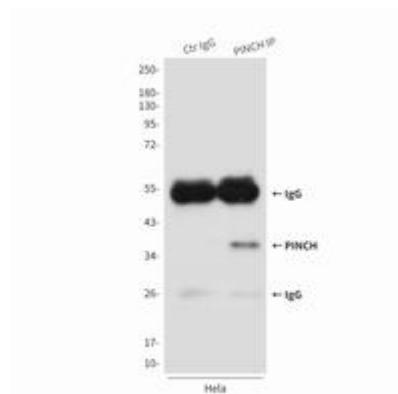
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cardiovascular

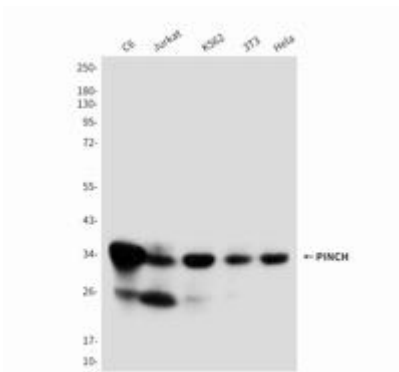
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



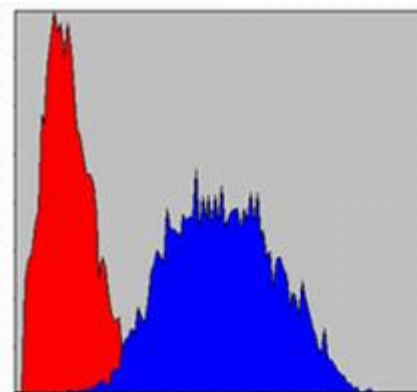
Immunofluorescence analysis of PINCH (3C12) in HepG2 cells using PINCH (3C12) antibody (green) and DAPI (blue).



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



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