Data Sheet (Cat.No.TMAC-03301)

Anti-LIMS1 Antibody (3E803)

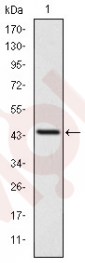
Product Details

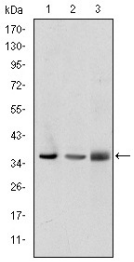
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 37 kDa.
Clone:	3E803
Purification:	ProA affinity purified

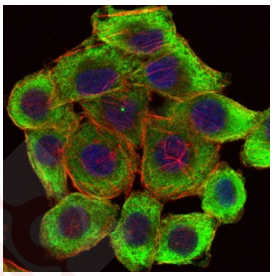
Applications

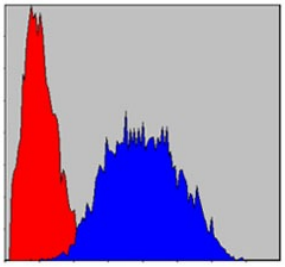
Verified Activity:

1. Western blot analysis of PINCH on human PINCH recombinant protein using anti-PINCH antibody at 1/1,000 dilution.
2. Western blot analysis of PINCH on different cell lysates using anti-PINCH antibody at 1/1,000 dilution. Positive control: Lane 1: A549, Lane 2: Jurkat, Lane 3: Hela.
3. ICC staining PINCH (green) and actin filaments (red) in HepG2 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. Flow cytometric analysis of Hela cells with PINCH antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red).









Application:	FCM,ICC,WB
Recommended	WB: 1:500-1000; ICC: 1:100-500; FCM: 1:100-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P48059
Synonyms:	Particularly interesting new Cys-His protein 1 (PINCH-1);Lims1;Pinch1;LIM and senescent cell antigen-like-containing domain protein 1

Research Background

Pinch, also designated particularly interesting new Cys-His protein or NY-REN-48, is a focal adhesion protein that is a component of the ILK-PINCH complex. This complex is a major part of the growth factor and integrin signaling pathway. Pinch is involved in cell differentiation, proliferation and survival by acting as an effector of integrin and growth factor signaling. It is a cytoplasmic protein expressed in most tissues and consists of five LIM domains, a nuclear localization signal and a nuclear export signal. The PINCH-1/ILK complex is regulated by a PINCH-1 related protein PINCH-2, which also forms a complex with ILK.

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