

Datasheet for ABIN968921
anti-LIMS1 antibody (AA 120-220)**1** Image**3** Publications[Go to Product page](#)

Overview

Quantity:	150 µg
Target:	LIMS1
Binding Specificity:	AA 120-220
Reactivity:	Human, Mouse, Rat, Dog, Chicken
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LIMS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human PINCH aa. 120-220
Clone:	49-PINCH
Isotype:	IgG2a
Cross-Reactivity:	Rat (Rattus), Mouse (Murine)
No Cross-Reactivity:	Dog (Canine), Chicken
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
---------------	---

Target Details

Target:	LIMS1
Alternative Name:	PINCH (LIMS1 Products)
Background:	<p>Integrins are transmembrane receptors that mediate cell-cell or cell-matrix adhesion. All integrins are heterodimers composed of alpha and beta subunits, which interact with extracellular matrix and cytoskeletal proteins. Signal transduction through integrin receptors may be regulated by integrin-linked kinase (ILK). ILK is a widely expressed Ser/Thr protein kinase that contains four ankyrin-like repeats in the N-terminal region, a phosphoinositide lipid-binding motif at amino acids 180-212, and an integrin binding site at amino acids 293-451. The ankyrin repeats interact with a LIM domain-only protein called PINCH that also binds the adaptor protein, Nck-2. This interaction implicates ILK in growth factor receptor pathways. The PINCH adaptor protein also contains a leucine-rich nuclear export signal and a nuclear localization signal. These two motifs implicate PINCH in nuclear functions, and in Schwann cells PINCH has been found in the nucleus, as well as, cytoplasm and perinuclear regions. Thus, PINCH is an adaptor protein that functions in both integrin signaling and nuclear functions.</p>
Molecular Weight:	37 kDa

Application Details

Comment:	Related Products: ABIN968586, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

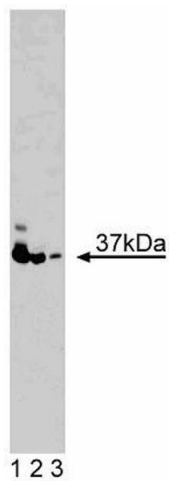
Storage: -20 °C

Storage Comment: Store undiluted at -20°C.

Publications

Product cited in: Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of PINCH on K-562 lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of anti-PINCH antibody.