



Rabbit Anti-LIMS1 antibody

SL5951R

Product Name:	LIMS1
Chinese Name:	整合素和生长因子样蛋白1抗体
Alias:	Lims1l; LIM and senescent cell antigen like domains 1; Particularly interesting new Cys His protein 1; PINCH; PINCH1; Renal carcinoma antigen NY REN 48; LIMS1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LIMS1:101-200/325
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Effector of integrin and growth factor signaling, coupling surface receptors to downstream signaling molecules involved in the regulation of cell survival, cell proliferation and cell differentiation. Focal adhesion protein part of the complex ILK-PINCH. This complex is considered to be one of the convergence points of integrin- and growth factor-signaling pathway.

Function:

Adapter protein in a cytoplasmic complex linking beta-integrins to the actin cytoskeleton, bridges the complex to cell surface receptor tyrosine kinases and growth factor receptors. Involved in the regulation of cell survival, cell proliferation and cell differentiation.

Subunit:

Interacts (via LIM zinc-binding 5) with TGFB1I1 (By similarity). Interacts with integrin-linked protein kinase 1 (ILK) via the first LIM domain, and in competition with LIMS2. Part of the heterotrimeric IPP complex composed of integrin-linked kinase (ILK), LIMS1 or LIMS2, and PARVA. Interacts with SH3/SH2 adapter NCK2, thereby linking the complex to cell surface receptors.

Subcellular Location:

Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side.

Tissue Specificity:

Expressed in most tissues except in the brain.

Similarity:

Contains 5 LIM zinc-binding domains.

SWISS:

P48059

Gene ID:

3987

Database links:

[Entrez Gene: 3987](#)Human

[Entrez Gene: 110829](#)Mouse

[Entrez Gene: 499443](#)Rat

[Omim: 602567](#)Human

[SwissProt: P48059](#)Human

[SwissProt: Q99JW4](#)Mouse

[Unigene: 597715](#)Human

[Unigene: 613268](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com