

Immunotag™ Pinch-1 Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0520
Product Description	Immunotag™ Pinch-1 Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Pinch-1
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,IF,FCM,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of human Pinch-1 expressed in E. Coli.
Specificity	Pinch-1 Monoclonal Antibody detects endogenous levels of Pinch-1 protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	LIMS1
Accession No.	P48059 Q99JW4
Alternate Names	LIMS1; 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

Antibody Specification

Description	LIM zinc finger domain containing 1(LIMS1) Homo sapiens 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. [provided by RefSeq, Jul 2010],
Protein Expression	Bone marrow,Fetal liver,Platelet,Renal cell carcinoma,
Subcellular Localization	cytosol,plasma membrane,cell-cell junction,focal adhesion,protein complex,perinuclear region of cytoplasm,
Protein Function	function: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.,similarity:Contains 5 LIM zinc-binding domains.,subunit:Interacts (via LIM zinc-binding 5) with TGFB1I1 (By similarity). Interacts (via LIM zinc-binding 1) with ILK. Interacts with SH3/SH2 adapter NCK2.,tissue specificity:In most tissues, except in the brain.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.