

Phospho-LCP1 (Tyr28) Antibody



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Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 70	Source/Isotype: Rabbit	UniProt ID: #P13796	Entrez-Gene Id: 3936
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-LCP1 (Tyr28) Antibody detects endogenous levels of LCP1 protein only when phosphorylated on Tyr28.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr28 of human LCP1 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		that include proteins found in mammals ar most solid tissues, wh intestine (1-3). Resear (LCP1) is mainly expreexpression correlates found that overexprecadherin expression, phosphorylated at Sethe CD2 cell adhesion of LCP1 to bind to F-a Phosphorylation of LCP hosphoScan®, CST's	that promote acting include L-plasting include L-plasting in plasting in studies have shown that metastatic prossion of LCP1 in prewhich is characterismolecule or the CI ctin and increases of LC-MS/MS platform	plastin proteins comprise bundling. Three plastins. T-plastin, and I-plastin1) is expressed specification that L-plastin (plastic cells and nonhemate ogression in colon cance metastatic cancer a through the T cell recepted motility (7,8). entified at Cell Signaling of cr phosphorylation of LCP1 at the complete com	s exhibiting differen T-plastin (plastin-3) ally in the kidney, co n-2) or lymphocyte opoietic tumors, and r cell lines (4). Investines induces invasion cell lines (5). LCP1 be ptor/CD3 complex in orylation at Ser5 er g Technology (CST) use discovery as well	tial expression are is found in cells of blon, and small cytosolic protein 1 d increased stigators have and loss of Edecomes association with shances the ability using as other
Background Refe	2. Lin, C.S. et al. (1994) 3. Delanote, V. et al. (24) 4. Otsuka, M. et al. (2006) 6. Wabnitz, G.H. et al. (2006) 8. Klemke, M. et al. (2005) 9. Rush, J. et al. (2005) 10. Rikova, K. et al. (2001)	(1993) J Biol Chem 268, 2781-92. (1994) Mol Cell Biol 14, 2457-67. t al. (2005) Acta Pharmacol Sin 26, 769-79. al. (2001) Biochem Biophys Res Commun 289, 876-81. (2006) Int J Cancer 118, 2098-104. et al. (2007) Eur J Immunol 37, 649-62. 2006) J Cell Sci 119, 1947-60. al. (2007) Int J Cancer 120, 2590-9. 2005) Nat Biotechnol 23, 94-101. al. (2007) Cell 131, 1190-203. (2007) Blood 110, 323-33. et al. (2006) Leuk Res 30, 1097-104.				
Species Beastivit		C	-ti	a in at least one approve	- d di	

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key

H: Human

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