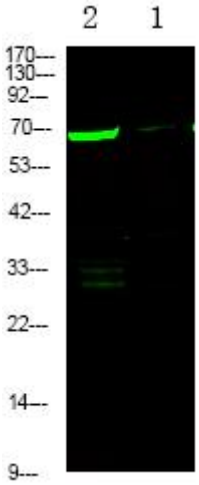
L-plastin (Phospho-Ser5) mouse mAb

Catalog No	BYmab-10455
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	LCP1 PLS2
Protein Name	L-plastin (Phospho-Ser5)
Immunogen	Synthesized peptide derived from human L-plastin (Phospho-Ser5)
Specificity	This antibody detects endogenous levels of L-plastin (Phospho-Ser5) at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.108% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Plastin-2 (L-plastin) (LC64P) (Lymphocyte cytosolic protein 1) (LCP-1)
Observed Band	
Cell Pathway	Cytoplasm, cytoskeleton . Cell junction . Cell projection . Cell projection, ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Relocalizes to the immunological synapse between peripheral blood T-lymphocytes and antibody-presenting cells in response to costimulation through TCR/CD3 and CD2 or CD28 (PubMed:17294403). Associated with the actin cytoskeleton at membrane ruffles. Relocalizes to actin-rich cell projections upon serine phosphorylation (PubMed:16636079). .
Tissue Specificity	Detected in intestinal microvilli, hair cell stereocilia, and fibroblast filopodia, in spleen and other lymph node-containing organs. Expressed in peripheral blood T-lymphocytes, neutrophils, monocytes, B-lymphocytes, and myeloid cells.
Function	function:Actin-binding protein found in intestinal microvilli, hair cell stereocilia, and fibroblast filopodia.,PTM:Phosphorylated.,PTM:The N-terminus is blocked.,similarity:Contains 2 actin-binding domains.,similarity:Contains 2 EF-hand domains.,similarity:Contains 4 CH (calponin-homology) domains.,subunit:Monomer.,tissue specificity:Restricted to the spleen and other

	lymph node-containing organs. Expressed in neutrophils, monocytes, B lymphocytes, and myeloid cells.,
Background	Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). However, L-plastin has been found in many types of malignant human cells of non-hemopoietic origin suggesting that its expression is induced accompanying tumorigenesis in solid tissues. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using L-plastin (Phospho-Ser5) mouse mAb