

L-plastin (Phospho Ser5) rabbit pAb

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| Catalog No : | YP1681 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB |
| Target : | L-plastin |
| Gene Name : | LCP1 PLS2 |
| Protein Name : | L-plastin (Phospho-Ser5) |
| Human Gene Id : | 3936 |
| Human Swiss Prot No : | P13796 |
| Mouse Gene Id : | 18826 |
| Mouse Swiss Prot No : | Q61233 |
| 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, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500-2000 |
| Purification : | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |

Molecularweight : 69kD

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],

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.,

Subcellular Location :

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). .

Expression :

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.

Tag : orthogonal

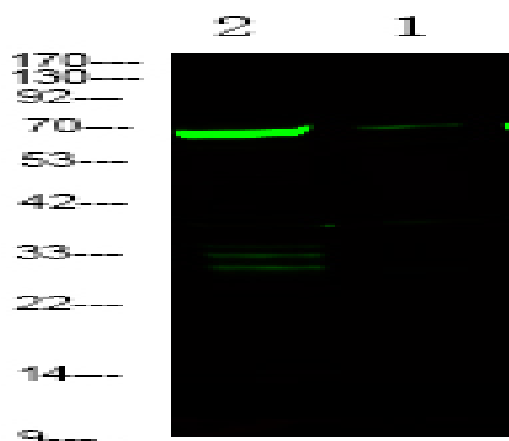
Sort : 25163

No4 : 1

Host : Rabbit

Modifications : Phospho

Products Images



Western Blot analysis of 1 K562 cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000