



Rabbit Anti-LSP1 monoclonal antibody, clone TO17-36 (CABT-L765)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	LSP1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO17-36
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	52 kDa
Cellular Localization	Cell membrane.
Positive Control	Daudi, human tonsil tissue, mouse thymus tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction

pp52 (human) or LSP1 (murine) is a hematopoietic-expressed gene that encodes an F-actin-binding, leukocyte-specific (including B and T lymphocytes, granulocytes and macrophages), phosphoprotein. However, mRNA splice variants that do not encode the lympho-specific protein are expressed from this gene in nonlymphoid cell lines as well (myocytes, stromal cells and fibroblasts), suggesting pp52 has a divergent role in signal transduction. The pp52 (LSP1) locus maps to human chromosome 11p15.5, which is implicated in tumor-related chromosomal translocations found in chronic lymphocytic leukemia. The pp52 promoter contains key elements that control transcriptional activity including an initiator specifying the unique 5' terminus of pp52 mRNA, tandem pairs of Ets and SP1 motifs, and a single C/EBP motif. LSP1 binds the cytoskeleton and has been implicated in affecting cytoskeletal remodeling in a variety of leukocyte functions, including cell motility and chemotaxis.

Keywords

47 kDa actin binding protein;47 kDa actin-binding protein;52 kDa phosphoprotein;F actin binding and cytoskeleton associated protein;Leufactin (leukocyte F-actin binding protein);Leufactin;Leukocyte F actin binding protein;Leukocyte specific protein 1;LSP 1;Lsp1;LSP1_HUMAN;Lymphocyte specific antigen WP34;Lymphocyte specific protein 1;Lymphocyte specific protein pp52;Lymphocyte-specific antigen WP34;Lymphocyte-specific protein 1;OTTHUMP0000014138;OTTHUMP0000014139;OTTHUMP0000014140;OTTHUMP00000069612;OTpp52;S37 protein;WP 34;WP34 antibody
