

## Product datasheet for **TA354677**

### LSP1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the C-terminus with a phosphorylated serine of human lymphocyte-specific protein 1. This sequence is identical to mouse species
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~52 kDa
Gene Name:	lymphocyte-specific protein 1
Database Link:	<a href="#">NP_001013271</a> <a href="#">Entrez Gene 16985 Mouse</a> <a href="#">Entrez Gene 361680 Rat</a> <a href="#">Entrez Gene 4046 Human</a> <a href="#">P33241</a>



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**Background:**

Leukocyte-specific protein 1 (LSP1), an F-actin binding protein and a major downstream substrate of p38 mitogen-activated protein kinase as well as protein kinase C, is important in leukocyte chemotaxis. Two serine residues at positions 204 and 252 are potential phosphorylation sites. The amino acid sequences surrounding these two sites are in agreement with the consensus sequence (Xaa-Xaa-Hyd-Xaa-Arg-Xaa-Xaa-Ser-Xaa-Xaa) for phosphorylation by MAPKAP kinase 2. Both serine residues in human LSP1 and the corresponding conserved serine residues in human and mouse LSP1 are in the basic C-terminal F-actin binding domain. LSP1 is a substrate for MAPKAP kinase 2 in vitro and that the phosphorylation sites are located in the basic C-terminal domain of LSP1.

**Synonyms:**

pp52; WP34

**Product images:**

WB: The whole cell lysate derived from m-CSF stimulated Jurket cells (lane 1) or mouse spleen (Lane 2) were immune-probed by Rabbit anti-phospho-LSP1 at 1:500. An immunoreactive band is observed around ~52kDa.