

Rabbit LSP1 Polyclonal Antibody | anti-LSP1 antibody

Anti-LSP1 Antibody Picoband

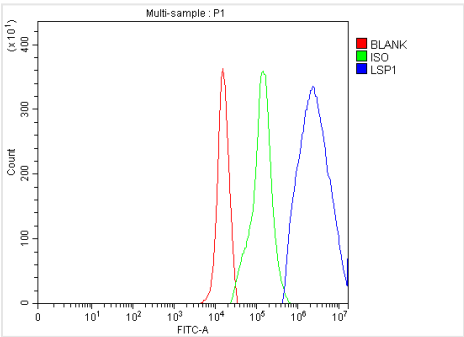
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127153	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

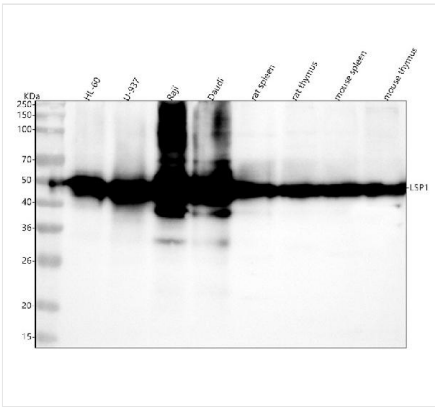
LSP1; Polyclonal Antibody; Anti-LSP1 Antibody Picoband; anti-LSP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-LSP1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human LSP1 recombinant protein (Position: A21-P339). Human LSP1 shares 67.6% amino acid (aa) sequence identity with mouse LSP1.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of U937 cells using anti-LSP1 antibody (AAA127153).Overlay histogram showing U937 cells stained with AAA127153 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-LSP1 Antibody (AAA127153, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of LSP1 using anti-LSP1 antibody (AAA127153).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HL-60 whole cell lysates,Lane 2: human U-937 whole cell lysates,Lane 3: human Raji whole cell lysates,Lane 4: human Daudi whole cell lysates,Lane 5: rat spleen tissue lysates,Lane 6: rat thymus tissue lysates,Lane 7: mouse spleen tissue lysates,Lane 8: mouse thymus tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LSP1 antigen affinity purified polyclonal antibody (#AAA127153) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LSP1 at approximately 52 kDa. The expected band size for LSP1 is at 37 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LSP1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-LSP1 antibody	Primary Antibodies
References	1. Antoniou, A. C., Sinilnikova, O. M., McGuffog, L., Healey, S., Nevanlinna, H., Heikkinen, T., Simard, J., Spurdle, A. B., Beesley, J., Chen, X., Kathleen Cuninghame Consortium for Research into Familial Breast Cancer, Neuhausen, S. L., and 131 others. Common variants in LSP1, 2q35 and 8q24 and breast cancer risk for BRCA1 and BRCA2 mutation carriers. Hum. Molec. Genet. 18: 4442-4456, 2009.2. Easton, D. F., Pooley, K. A., Dunning, A. M., Pharoah, P. D. P., Thompson, D., Ballinger, D. G., Struwing, J. P., Morrison, J., Field, H., Luben, R., Wareham, N., Ahmed, S., and 93 others. Genome-wide association study identifies novel breast cancer susceptibility loci. Nature 447: 1087-1093, 2007. 3. Li, Y., Guerrero, A., Howard, T. H. The actin-binding protein, lymphocyte-specific protein 1, is expressed in human leukocytes and human myeloid and lymphoid cell lines. J. Immun. 155: 3563-3569, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61742789
NCBI GeneID	4046
NCBI Accession #	NP_001013271.1
NCBI GenBank Nucleotide #	NM_001013253.1
UniProt Accession #	P33241; Q16096; Q53H48; Q6FHM3; Q9BUY8; B3KPP1; B3KRR6; E9PBV6; E9PFP3
Molecular Weight	37,192 Da

NCBI Official Full Name	lymphocyte-specific protein 1 isoform 2
NCBI Official Synonym Full Names	lymphocyte-specific protein 1
NCBI Official Symbol	LSP1
NCBI Official Synonym Symbols	WP34; pp52
NCBI Protein Information	lymphocyte-specific protein 1; 52 kDa phosphoprotein; 47 kDa actin binding protein; 47 kDa actin-binding protein; leukocyte-specific protein 1; lymphocyte-specific antigen WP34; leufactin (leukocyte F-actin binding protein); F-actin binding and cytoskelet
UniProt Protein Name	Lymphocyte-specific protein 1
UniProt Gene Name	LSP1
UniProt Synonym Gene Names	WP34; pp52
UniProt Entry Name	LSP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lsp1-antibody-flow-cytometry-western-blot-elisa/127153>