

## Rabbit anti-Human LSP1 Polyclonal Antibody | anti-LSP1 antibody

LSP1 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA288947 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

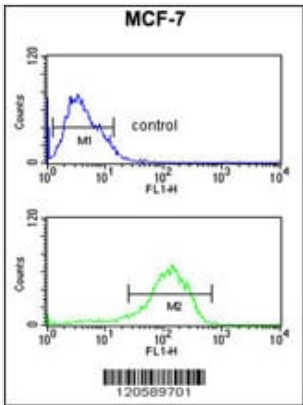
### PRODUCT SYNONYMS

LSP1; Polyclonal Antibody; LSP1 Antibody (Center); Lymphocyte-specific protein 1; 47 kDa actin-binding protein; 52 kDa phosphoprotein; pp52; Lymphocyte-specific antigen WP34; WP34; anti-LSP1 antibody

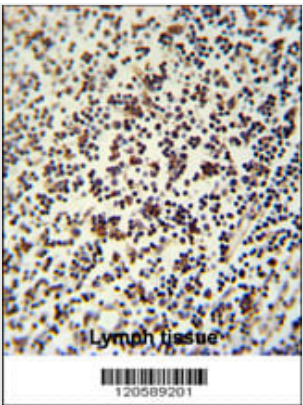
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This LSP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 108-134 amino acids from the Central region of human LSP1.            |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 108-134                                                                                                                                                                      |
| Sequence Length                                | 467                                                                                                                                                                          |
| Applicable Applications for anti-LSP1 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                              |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

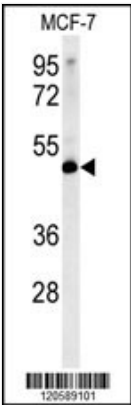
IMAGES



**FCM/FACS (Flow Cytometry)**  
LSP1 Antibody (Center) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohiostchemistry)**  
LSP1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human lymph tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LSP1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
LSP1 Antibody (Center) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the LSP1 antibody detected the LSP1 protein (arrow).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LSP1 antibody | LSP1 is an intracellular F-actin binding protein. The protein is expressed in lymphocytes, neutrophils, macrophages, and endothelium and may regulate neutrophil motility, adhesion to fibrinogen matrix proteins, and transendothelial migration. Alternative splicing results in multiple transcript variants encoding different isoforms. |
| Product Categories/Family for anti-LSP1 antibody   | Immunology; Signal Transduction                                                                                                                                                                                                                                                                                                              |
| References                                         | Davila, S., et al. Genes Immun. (2010)<br>Odefrey, F., et al. Cancer Res. 70(4):1449-1458(2010)<br>Bhatti, P., et al. Radiat. Res. 173(2):214-224(2010)<br>Tamimi, R.M., et al. Cancer Causes Control (2010)                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| NCBI GI #        | 61742789                                                                    |
| NCBI GeneID      | 4046                                                                        |
| NCBI Accession # | NP_001013271.1; NP_001013272.1; NP_001013273.1; NP_001229861.1; NP_002330.1 |

|                                  |                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_001013253.1</a>                                                                                                                                                                                                 |
| UniProt Accession #              | <a href="#">P33241</a> ; <a href="#">Q16096</a> ; <a href="#">Q53H48</a> ; <a href="#">Q6FHM3</a> ; <a href="#">Q9BUY8</a> ; <a href="#">B3KPP1</a> ; <a href="#">B3KRR6</a> ; <a href="#">E9PBV6</a> ; <a href="#">E9PFP3</a> |
| Molecular Weight                 | 37192                                                                                                                                                                                                                          |
| 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                                                                                                                                                                                                  |
| UniProt Protein Name             | Lymphocyte-specific protein 1                                                                                                                                                                                                  |
| UniProt Gene Name                | <b>LSP1</b>                                                                                                                                                                                                                    |
| 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-immunohistochemistry-western-blot-elisa/288947>