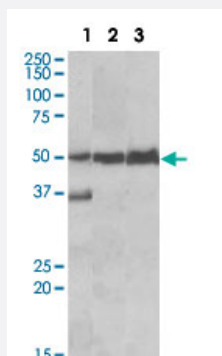


LSP1 polyclonal antibody

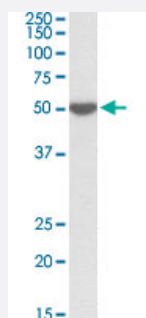
Catalog # PAB18566 Size 100 ug

Applications



Western Blot (Tissue lysate)

LSP1 polyclonal antibody (Cat # PAB18566) (0.05 ug/mL) staining of human liver lysate (lane 1), mouse liver lysate (lane 2) and rat liver lysate (lane 3) (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot (Cell lysate)

LSP1 polyclonal antibody (Cat # PAB18566) (0.05 ug/mL) staining of human peripheral lymphocytes lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of LSP1.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human LSP1.
Sequence	C-RYKFVATGHGKYEKV
Host	Goat
Theoretical MW (kDa)	50
Reactivity	Human

Specificity	This antibody is expected to recognize both reported isoforms (NP_002330.1; NP_001013271.1). Reported variants represent identical protein: NP_001013273.1, NP_001013271.1, NP_001013272.1.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.05-0.2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

LSP1 polyclonal antibody (Cat # PAB18566) (0.05 ug/mL) staining of human liver lysate (lane 1), mouse liver lysate (lane 2) and rat liver lysate (lane 3) (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Western Blot (Cell lysate)

LSP1 polyclonal antibody (Cat # PAB18566) (0.05 ug/mL) staining of human peripheral lymphocytes lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — LSP1

Entrez GeneID	4046
Protein Accession#	NP_002330.1;NP_001013271.1
Gene Name	LSP1
Gene Alias	WP34, pp52
Gene Description	lymphocyte-specific protein 1

Omim ID	153432
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an intracellular F-actin binding protein. The protein is expressed in lymphocyte s, neutrophils, macrophages, and endothelium and may regulate neutrophil motility, adhesion to fi brinogen matrix proteins, and transendothelial migration. Alternative splicing results in multiple tra nscript variants encoding different isoforms. [provided by RefSeq
Other Designations	47 kDa actin binding protein 52 kDa phosphoprotein F-actin binding and cytoskeleton associated protein OTTHUMP00000014139 OTTHUMP00000069612 leufactin (leukocyte F-actin binding pr otein) leukocyte-specific protein 1 lymphocyte-specific antigen WP34 lympho

Publication Reference

- [Lymphocyte-specific protein 1 regulates mechanosensory oscillation of podosomes and actin isoform-based actomyosin symmetry breaking.](#)

Cervero P, Wiesner C, Bouissou A, Poincloux R, Linder S.

Nature Communications 2018 Feb; 9(1):515.

Application: IF, PLA-Ce, WB-Ce, WB-Tr, Human, Human macrophages

Disease

- [Adenocarcinoma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Lymphatic Metastasis](#)

- [Lymphoma](#)
- [Neoplasm Invasiveness](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)