

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09870 - Goat Anti-LSP1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 47 kDa actin binding protein, 52 kDa phosphoprotein, F-actin binding and cytoskeleton associated protein, leufactin (leukocyte F-actin binding protein), leukocyte-specific protein 1, lymphocyte-specific ant, lymphocyte-specific protein 1, pp52, WP34, LSP1

**Official Symbol:** LSP1

**Accession Number(s):** NP\_002330.1; NP\_001013271.1

**Human GeneID(s):** [4046](#)

**Non-Human GeneID(s):** 16331 (mouse), 54259 (rat)

**Important Comments:** 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

### Immunogen

Peptide with sequence C-RYKFVATGHGKYEKV, from the C Terminus of the protein sequence according to NP\_002330.1; NP\_001013271.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

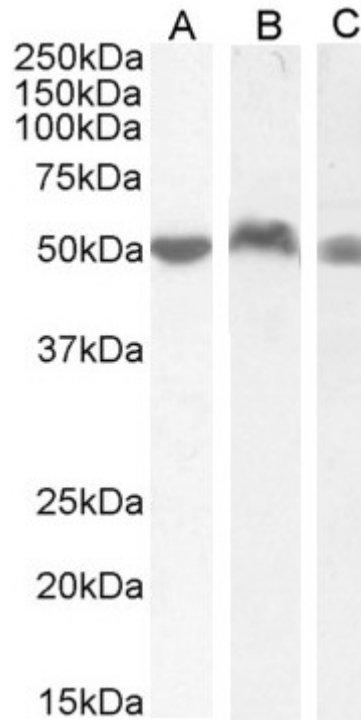
**Western blot:** Approx 50kDa band observed in Human Peripheral Blood Mononucleocytes, (PBMs) and Tonsil lysates and in lysates of cell line Daudi, and approx. 50-55kDa in Human Tonsil and Mouse Spleen lysates (calculated MW of 37.2kDa according to Human NP\_002330.1 and 36.7kDa according to Mouse NP\_001129543.1). These molecular weights are routinely observed by other sources Recommended concentration: 0.01-0.1µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Colon, MALT. Recommended concentration: 3.75µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



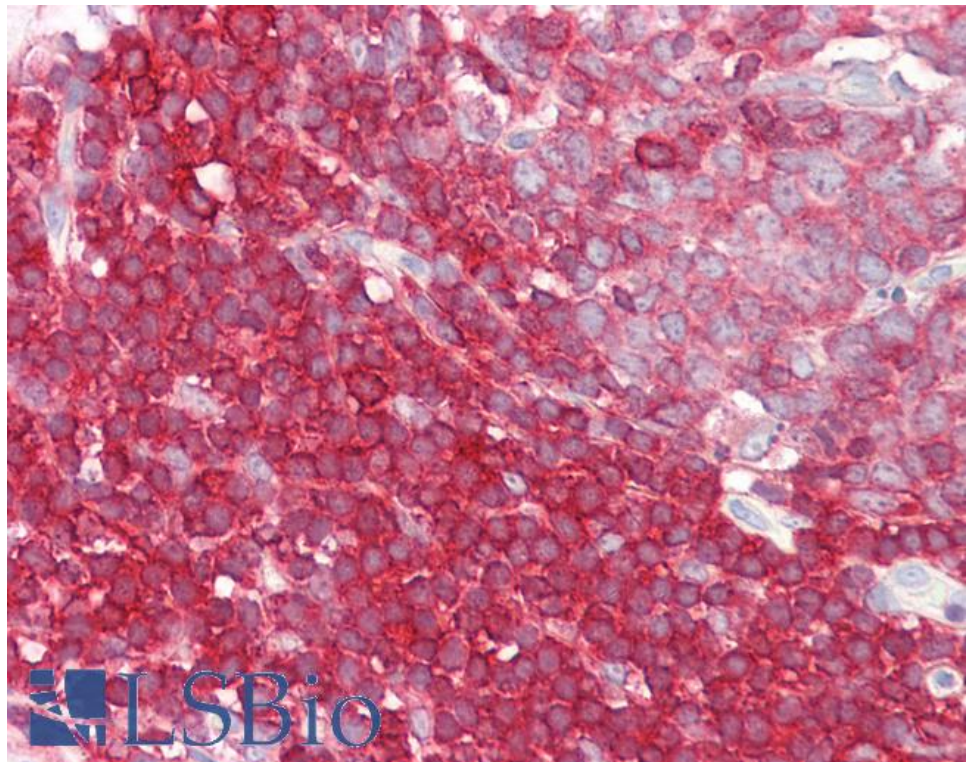
EB09870 (0.05 $\mu$ g/ml) staining of Human PBM (A), (0.03 $\mu$ g/ml) Lymph Node (B) and Tonsil (C) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB09870 (0.03 $\mu$ g/ml) staining of Daudi cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB09870 (0.01 $\mu$ g/ml) staining of Mouse Spleen lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB09870 (3.75 $\mu$ g/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.