

Datasheet for ABIN7602832
anti-LSM2 antibody (C-Term)



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Overview

Quantity:	100 µg
Target:	LSM2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LSM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-LSM2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human LSM2, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-LSM2 Antibody Picoband® (ABIN7602832). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Monkey, Mouse, Rat. 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 Details

Purification: Immunogen affinity purified.

Target Details

Target: LSM2

Alternative Name: LSM2 ([LSM2 Products](#))

Background: Synonyms: C-C motif chemokine 16, Chemokine CC-4, HCC-4, Chemokine LEC, IL-10-inducible chemokine, LCC-1, Liver-expressed chemokine, Lymphocyte and monocyte chemoattractant, LMC, Monotactin-1, MTN-1, NCC-4, Small-inducible cytokine A16, CCL16, ILINCK, NCC4, SCYA16

Tissue Specificity: Mainly expressed in liver, also found in spleen and thymus. Highly expressed in LPS- and IFN-gamma- activated monocytes, weakly in some lymphocytes, including natural killer cells, gamma-delta T-cells, and some T-cell clones.

Background: U6 snRNA-associated Sm-like protein LSm2 is a protein that in humans is encoded by the LSM2 gene. This gene encodes a member of the LSm family of RNA-binding proteins. LSm proteins form stable heteromers that bind specifically to the 3'-terminal oligo (U) tract of U6 snRNA and may play a role in pre-mRNA splicing by mediating U4/U6 snRNP formation. Pseudogenes of this gene are located on the short arm of chromosomes 6 and 19.

Molecular Weight: 11 kDa

Gene ID: 57819

UniProt: [Q9Y333](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat, Monkey

Immunohistochemistry (Paraffin-embedded Section), 1-2 µg/mL, Human, Mouse, Rat

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human

1. Achsel, T., Brahms, H., Kastner, B., Bachi, A., Wilm, M., Luhrmann, R. A doughnut-shaped heteromer of human Sm-like proteins binds to the 3-prime end of U6 snRNA, thereby facilitating U4/U6 duplex formation in vitro. EMBO J. 18: 5789-5802, 1999. 2. Ingelfinger, D., Arndt-Jovin, D. J., Luhrmann, R., Achsel, T. The human LSm1-7 proteins colocalize with the mRNA-degrading enzymes Dcp1/2 and Xrn1 in distinct cytoplasmic foci. RNA 8: 1489-1501, 2002. 3. Salgado-Garrido, J., Bragado-Nilsson, E., Kandels-Lewis, S., Seraphin, B. Sm and Sm-like proteins

Application Details

assemble in two related complexes of deep evolutionary origin. EMBO J. 18: 3451-3462, 1999.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.01 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.