Datasheet for ABIN7602503

anti-LSM5 antibody (AA 8-91)

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Overview

Quantity:	100 µg
Target:	LSM5
Binding Specificity:	AA 8-91
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LSM5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-LSM5 Antibody Picoband®
Immunogen:	E.coli-derived human LSM5 recombinant protein (Position: N8-V91).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-LSM5 Antibody (ABIN7602503). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	LSM5
Alternative Name:	LSM5 (LSM5 Products)
Background:	Synonyms: Protein NDRG3,N-myc downstream-regulated gene 3 protein,NDRG3, Tissue Specificity: Ubiquitous. Highly expressed in brain. . Background: U6 snRNA-associated Sm-like protein LSm5 is a protein that in humans is encoded by the LSM5 gene. Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family (see SNRPD2, MIM 601061). Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.
Molecular Weight:	12 kDa
Gene ID:	23658
UniProt:	Q9Y4Y9
Pathways:	Response to Water Deprivation

Application Details

Application Notes:	Western blot, 0.5-0.1 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human, Mouse ELISA, 0.1-0.5 µg/mL, - 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 assemble in two related complexes of deep evolutionary origin. EMBO J. 18: 3451-3462, 1999.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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.