

For Research Use Only

# LSM2 Polyclonal antibody

Catalog Number: 32074-1-AP



## Basic Information

<b>Catalog Number:</b> 32074-1-AP	<b>GenBank Accession Number:</b> BC009192	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57819	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y333	
<b>Isotype:</b> IgG	<b>Full Name:</b> LSM2 homolog, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> )	
<b>Immunogen Catalog Number:</b> AG34865	<b>Calculated MW:</b> 11 kDa	
	<b>Observed MW:</b> 11 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, K-562 cells, human placenta tissue
<b>Species Specificity:</b> human	

## Background Information

Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family. 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 (PMID:15075370). Lsm2-Lsm8 (Lsm stands for Like Sm), binds and stabilizes the 3' end of the spliceosomal U6 snRNA. Lsm proteins facilitate the annealing of U6 snRNA with U4 snRNA in vitro and interact with the U4/U6 annealing factor Prp24, suggesting that Lsm proteins function in U4/U6 snRNP formation in vivo (PMID:15485930, 17251193).

## Storage

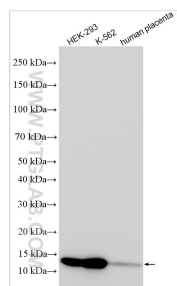
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32074-1-AP (LSM2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.