

A13588

Leader in Biomolecular Solutions for Life Science



LSM4 Rabbit pAb

Catalog No.: A13588

Basic Information

Observed MW

14kDa

Calculated MW

15kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Rat

Background

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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

IF/ICC 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Immunogen Information

Gene ID

25804

Swiss Prot

Q9Y4Z0

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

GRP; YER112W; LSM4

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

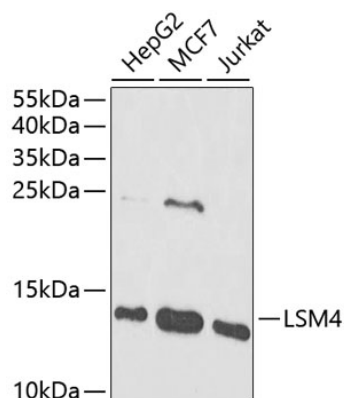
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Contact

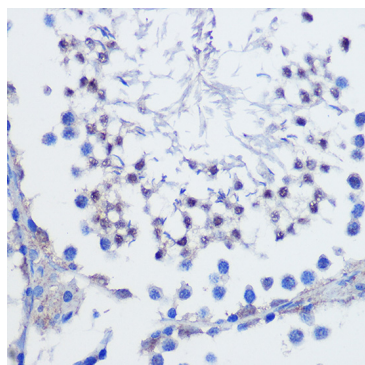


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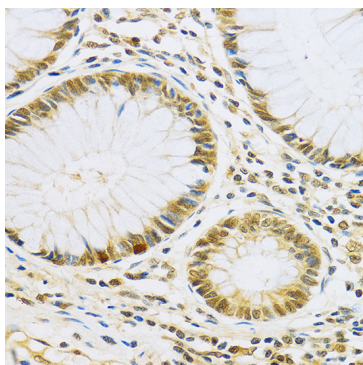
Validation Data



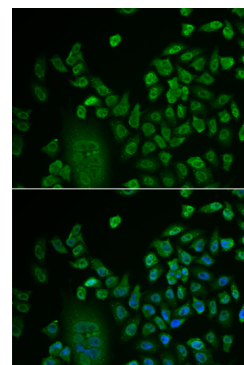
Western blot analysis of various lysates using LSM4 Rabbit pAb (A13588) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Enhanced Kit (RM00021).
 Exposure time: 5s.



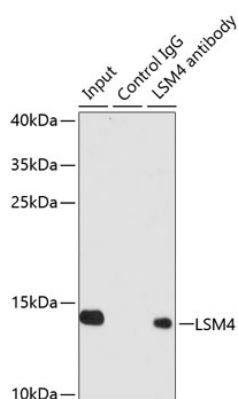
Immunohistochemistry analysis of paraffin-embedded Rat testis using LSM4 Rabbit pAb (A13588) at dilution of 1:100 (40x lens).
 Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using LSM4 Rabbit pAb (A13588) at dilution of 1:100 (40x lens).
 Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using LSM4 Rabbit pAb (A13588) at dilution of 1:50. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells using 1 µg LSM4 antibody (A13588). Western blot was performed from the immunoprecipitate using LSM4 antibody (A13588) at a dilution of 1:1000.