

# LSM3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57075

### **Specification**

# LSM3 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession P62310

Reactivity
Host
Rat, Pig, Dog, Bovine
Rabbit

Clonality Polyclonal
Calculated MW 12 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human LSM3

Epitope Specificity 1-80/102 Isotype IgG

Isotype Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY
Important Note

Belongs to the snRNP Sm proteins family.
This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

# **Background Descriptions**

affinity purified by Protein A

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.[supplied by OMIM, Apr 2004]

## LSM3 Polyclonal Antibody - Additional Information

#### **Gene ID 27258**

### **Other Names**

U6 snRNA-associated Sm-like protein LSm3, LSM3

# **Dilution**

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>

="dilution IHC-P">IHC-P~~N/A</span><br \><span class

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_E">E~~N/A</span>

#### **Format**



0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

# **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

# LSM3 Polyclonal Antibody - Protein Information

#### Name LSM3

#### **Function**

Plays a role in pre-mRNA splicing as component of the U4/U6- U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex) (PubMed:<a href="http://www.uniprot.org/citations/28781166" target="\_blank">28781166</a>). The heptameric LSM2-8 complex binds specifically to the 3'-terminal U-tract of U6 snRNA (PubMed:<a href="http://www.uniprot.org/citations/10523320" target="blank">10523320</a>).

# **Cellular Location**

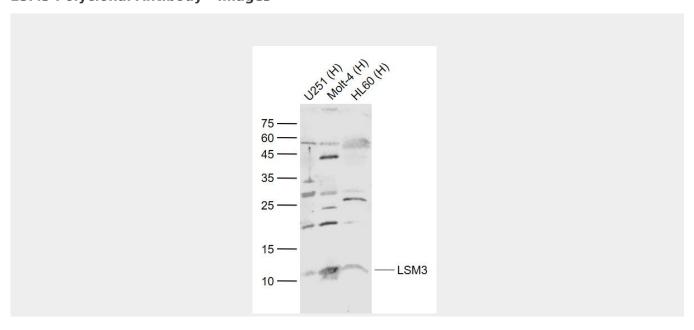
**Nucleus** 

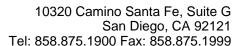
## LSM3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## LSM3 Polyclonal Antibody - Images







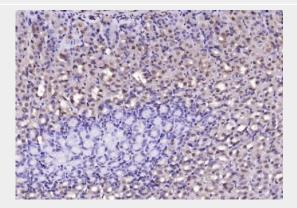
Sample:

Lane 1: U251 (Human) Cell Lysate at 30 ug Lane 2: Molt-4 (Human) Cell Lysate at 30 ug Lane 3: HL60 (Human) Cell Lysate at 30 ug

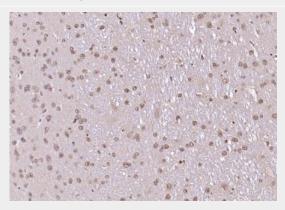
Primary: Anti-LSM3 (bs-18428R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 12 kD Observed band size: 12 kD

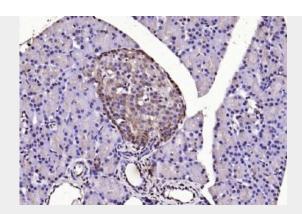


Paraformaldehyde-fixed, paraffin embedded (mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LSM3) Polyclonal Antibody, Unconjugated (bs-18428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

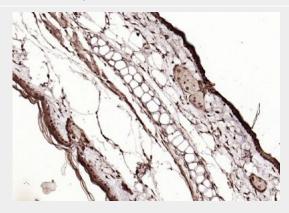


Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LSM3) Polyclonal Antibody, Unconjugated (bs-18428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

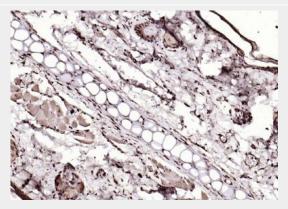




Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LSM3) Polyclonal Antibody, Unconjugated (bs-18428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



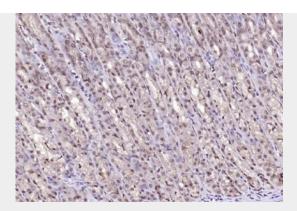
Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LSM3) Polyclonal Antibody, Unconjugated (bs-18428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LSM3) Polyclonal Antibody, Unconjugated (bs-18428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.







Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LSM3) Polyclonal Antibody, Unconjugated (bs-18428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.