

# Product Datasheet

## LSM14B Antibody - BSA Free

### NBP2-56828

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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#### Publications: 2

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Updated 9/9/2025 v.20.1

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**NBP2-56828**

LSM14B Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

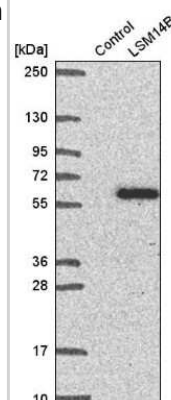
<b>Description</b>	Novus Biologicals Rabbit LSM14B Antibody - BSA Free (NBP2-56828) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	149986
<b>Gene Symbol</b>	LSM14B
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to the following amino acid sequence: SLGSASASPFQPHVPYSPFRGMAPYGPLAASSLLSQQYAASLGLGAGFPSIPV GKSPMVEQAVQTGSADNLNAK

**Product Application Details**

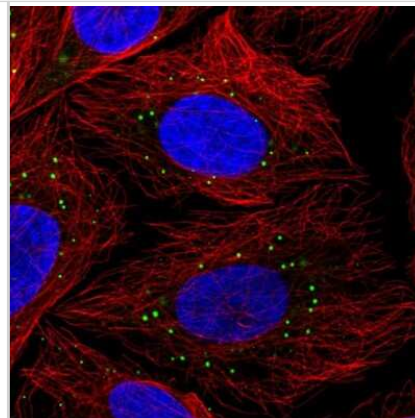
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

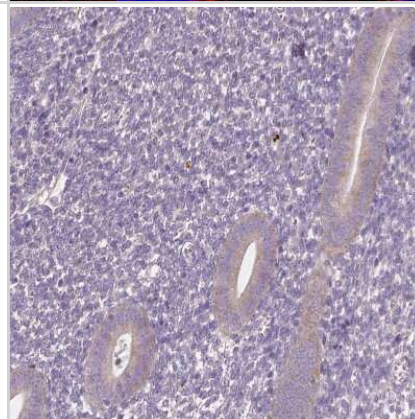
Western Blot: LSM14B Antibody [NBP2-56828] - Western blot analysis in control (vector only transfected HEK293T lysate) and LSM14B over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



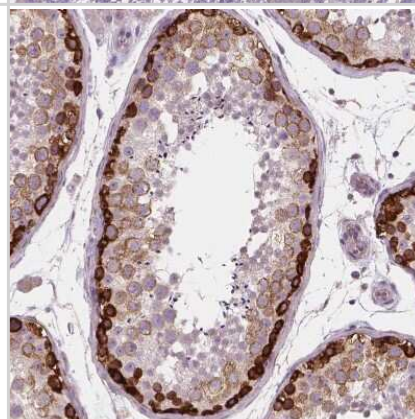
Immunocytochemistry/Immunofluorescence: LSM14B Antibody [NBP2-56828] - Staining of human cell line SiHa shows localization to vesicles.



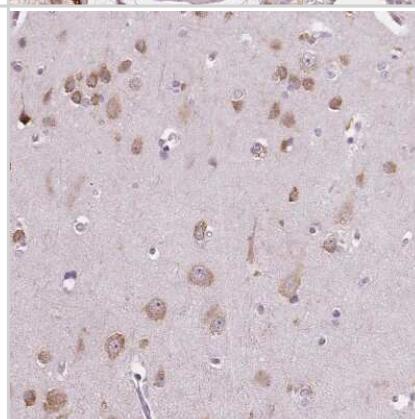
Immunohistochemistry-Paraffin: LSM14B Antibody [NBP2-56828] - Staining of human endometrium shows weak cytoplasmic positivity in glandular cells.



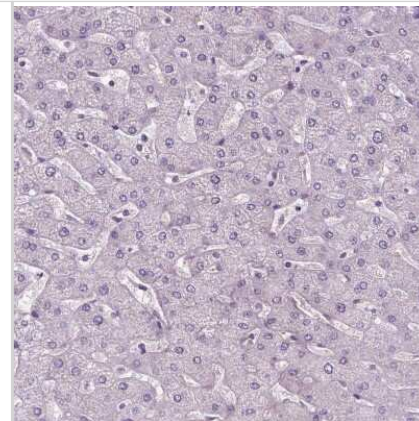
Immunohistochemistry-Paraffin: LSM14B Antibody [NBP2-56828] - Staining of human testis shows moderate to strong cytoplasmic positivity in cells in seminiferous ducts.



Immunohistochemistry-Paraffin: LSM14B Antibody [NBP2-56828] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in neurons.



Immunohistochemistry-Paraffin: LSM14B Antibody [NBP2-56828] - Staining of human liver shows no positivity in hepatocytes as expected.



## Publications

Fan H, Liu R, Yu R et al. The E3 ubiquitin ligase adaptor KLHL8 targets ZAR1 to regulate maternal mRNA degradation in oocytes. EMBO Reports 2025-07-28 [PMID: 40721554]

Wan Y, Yang S, Li T et al. LSM14B is essential for mitochondrial clustering in the oocyte meiosis bioRxiv 2023-04-28 (IF, WB, Mouse)

### Details:

1:1000 dilution WB, 1:400 dilution IF



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### **Products Related to NBP2-56828**

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NBP2-56828PEP	LSM14B Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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