

# Product Datasheet

## Septin-9 Antibody - BSA Free

### NBP2-13294

Unit Size: 0.1 ml

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

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#### Publications: 3

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Updated 2/23/2025 v.20.1

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**NBP2-13294**

Septin-9 Antibody - BSA Free

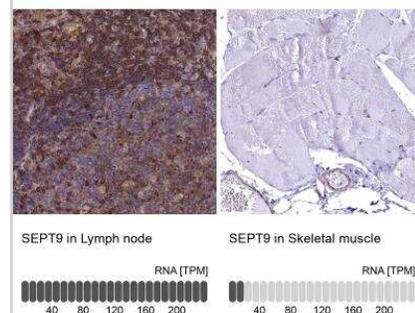
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	10801
Gene Symbol	SEPTIN9
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (84%)
Immunogen	This antibody was developed against a recombinant protein corresponding to the amino acids: LGVKNSEPSARHVDLSLQRSPKASLRRVELSGPKAAEPVSRRTLSIDISSKQV ENAGAIGPSRFGLKRAEVLGHKTPEPAPRTEITIVKPQESA

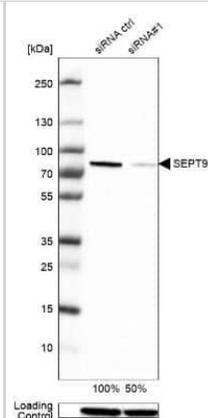
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

**Images**

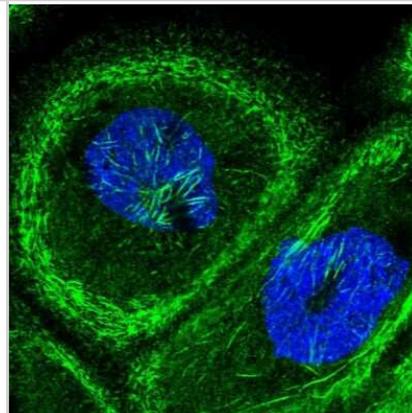
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Analysis in human lymph node and skeletal muscle tissues. Corresponding RNA-seq data are presented for the same tissues.



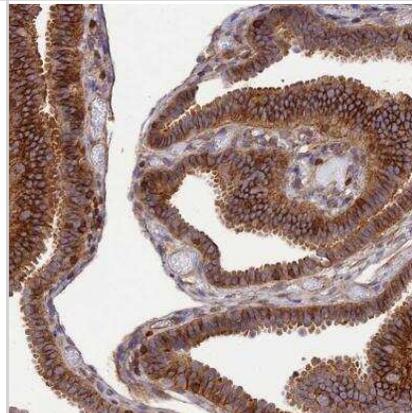
Western Blot: Septin-9 Antibody [NBP2-13294] - Analysis in Hep-G2 cells transfected with control siRNA, target specific siRNA probe #1, using anti-SEPT9 antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.



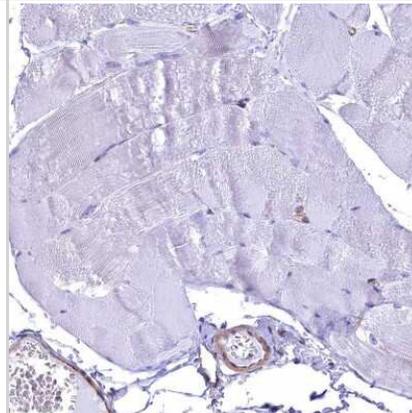
Immunocytochemistry/Immunofluorescence: Septin-9 Antibody [NBP2-13294] - Staining of human cell line A-431 shows localization to actin filaments. Antibody staining is shown in green.



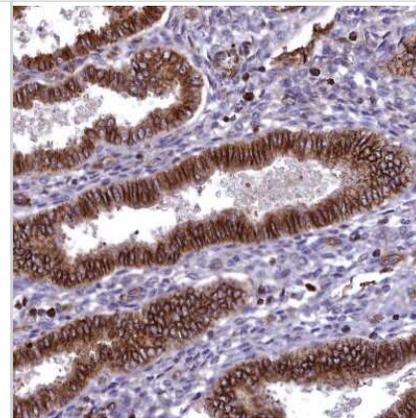
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human Fallopian tube shows strong cytoplasmic positivity in glandular cells.



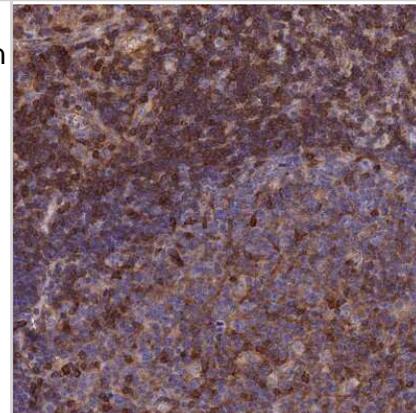
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human skeletal muscle shows no positivity in myocytes.



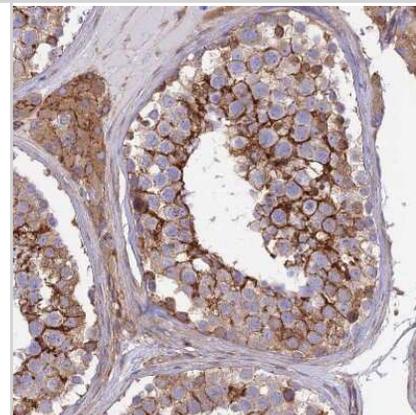
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human endometrium shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human lymph node shows strong cytoplasmic positivity in non-germinal center cells.



Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human testis shows moderate to strong cytoplasmic positivity in cells in seminiferous ducts.



## Publications

Wang K, Okada H, Wloka C, Bi E Unraveling the mechanisms and evolution of a two-domain module in IQGAP proteins for controlling eukaryotic cytokinesis Cell reports 2023-11-30 [PMID: 38041816]

Kesisova IA, Robinson BP, Spiliotis ET. A septin GTPase scaffold of dynein-dynactin motors triggers retrograde lysosome transport Journal of Cell Biology 2021-02-01 [PMID: 33416861]

Kim O, Litvinov R, Mordakhanova E et al. Contribution of septins to human platelet structure and function iScience 2022-06-01 [PMID: 35832887] (ICC/IF, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-13294**

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NBP2-13294PEP	Septin-9 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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