

# 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.

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 3

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**NBP2-13294**

Septin-9 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<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

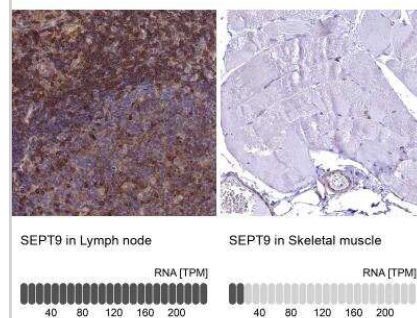
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Septin-9 Antibody - BSA Free (NBP2-13294) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Septin-9 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	10801
<b>Gene Symbol</b>	SEPTIN9
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (84%)
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to the amino acids: LGVKNSEPSARHVDLSLQSRSPKASLRRVELSGPKAAEPVSRRTLSIDISSKQV ENAGAIGPSRFGLKRAEVLGHKTPEPAPRRTTEITIVKQPESA

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

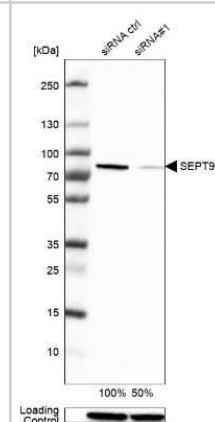


## Images

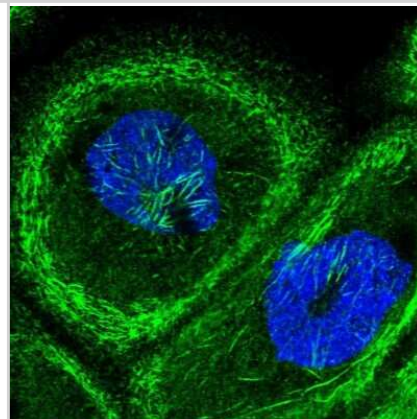
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Analysis in human lymph node and skeletal muscle tissues. Corresponding RNA-seq data are presented for the same tissues.



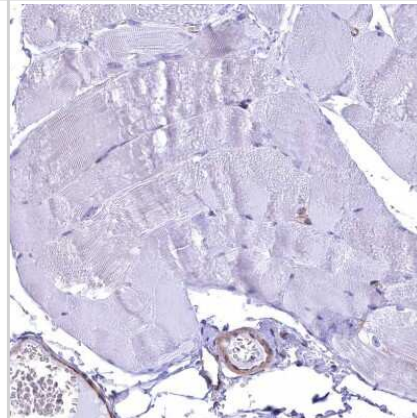
Western Blot: Septin-9 Antibody [NBP2-13294] - Analysis in Hep-G2 cells transfected with control siRNA, target specific siRNA probe #1, using anti-SEPT9 antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.



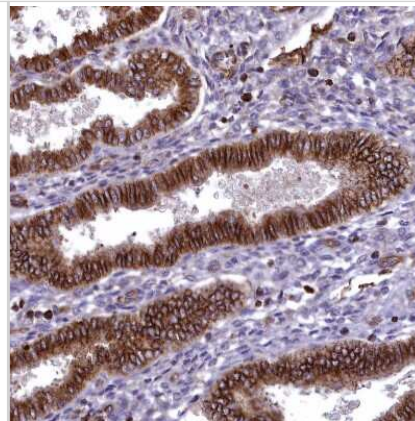
Immunocytochemistry/Immunofluorescence: Septin-9 Antibody [NBP2-13294] - Staining of human cell line A-431 shows localization to actin filaments. Antibody staining is shown in green.



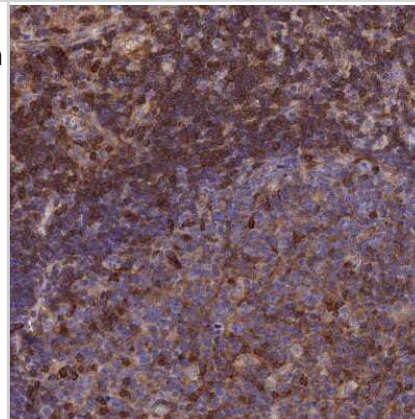
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human skeletal muscle shows no positivity in myocytes.



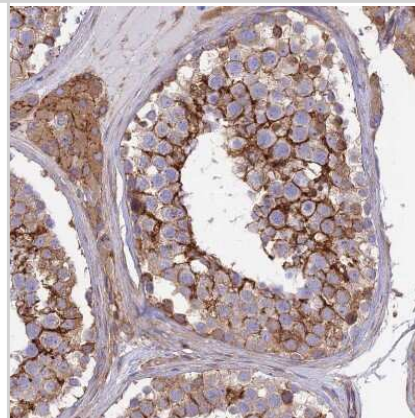
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human endometrium shows strong cytoplasmic positivity in glandular cells.



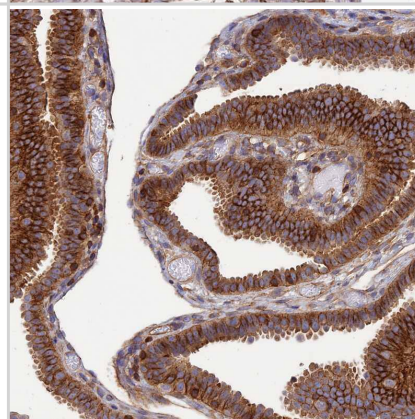
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human lymph node shows strong cytoplasmic positivity in non-germinal center cells.



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



Staining of human Fallopian tube shows strong cytoplasmic positivity in glandular cells.



Analysis in Hep-G2 cells transfected with control siRNA, target specific siRNA probe #1. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



## Publications

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]

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]

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)





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

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NBP2-13294PEP	Septin-9 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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