

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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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

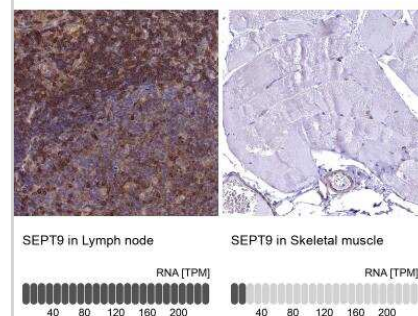
| | |
|-------------------------|--|
| Host | Rabbit |
| Gene ID | 10801 |
| Gene Symbol | SEPTIN9 |
| Species | Human |
| Reactivity Notes | Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (84%) |
| Immunogen | This antibody was developed against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

Product Application Details

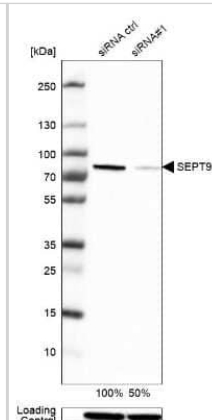
| | |
|------------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated |
| Recommended Dilutions | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ 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

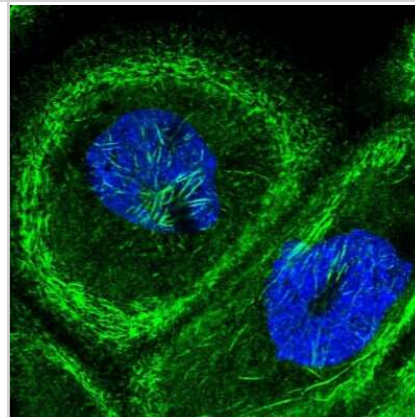
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Analysis in human lymph node and skeletal muscle tissues. Corresponding RNA-seq data are presented for the same tissues.



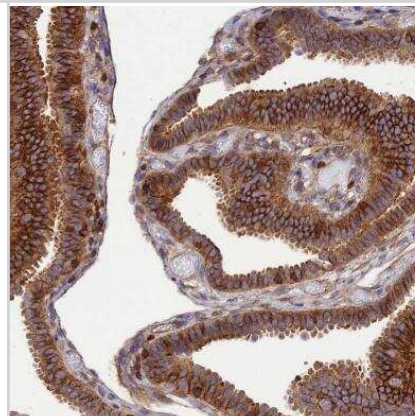
Western Blot: Septin-9 Antibody [NBP2-13294] - Analysis in Hep-G2 cells transfected with control siRNA, target specific siRNA probe #1, using anti-SEPT9 antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.



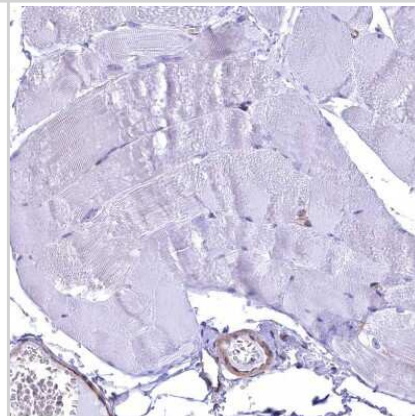
Immunocytochemistry/Immunofluorescence: Septin-9 Antibody [NBP2-13294] - Staining of human cell line A-431 shows localization to actin filaments. Antibody staining is shown in green.



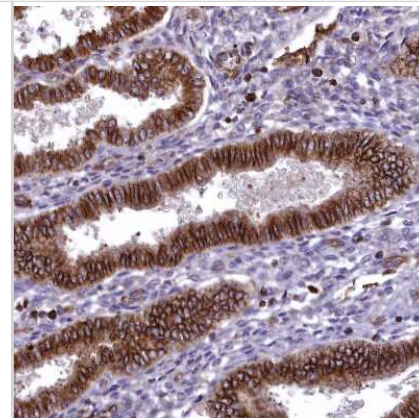
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human Fallopian tube shows strong cytoplasmic positivity in glandular cells.



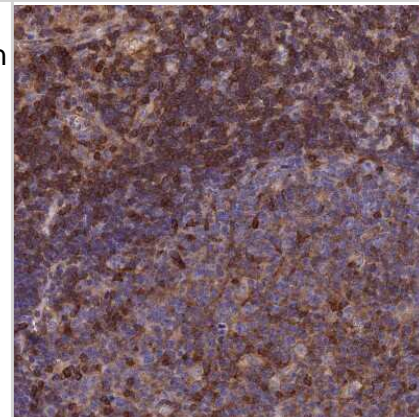
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human skeletal muscle shows no positivity in myocytes.



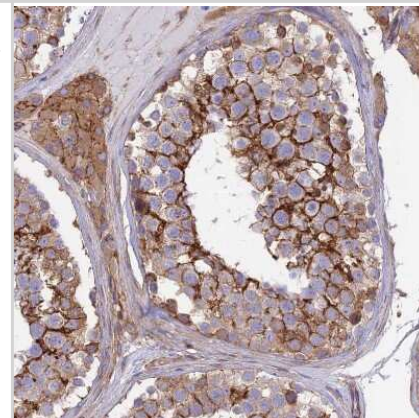
Immunohistochemistry-Paraffin: Septin-9 Antibody [NBP2-13294] - Staining of human endometrium shows strong cytoplasmic positivity in glandular cells.



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)



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Products Related to NBP2-13294

| | |
|---------------|---|
| 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 |

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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