

Product Datasheet

Septin-2 Antibody - BSA Free

NBP1-85212

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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NBP1-85212

Septin-2 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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	41 kDa

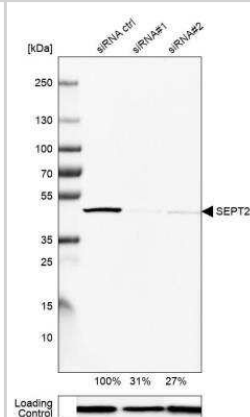
Product Description	
Description	Novus Biologicals Rabbit Septin-2 Antibody - BSA Free (NBP1-85212) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Septin-2 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4735
Gene Symbol	SEPTIN2
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: WGVVEVENPEHNDFLKLRTMLITHMQDLQEVTQDLHYENFRSERLKRGRKVENEDMNKDQILLEKEAELRRMQEMIARMQAQMQMGGDGDGGALGH

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

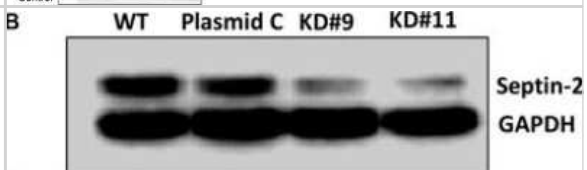


Images

Western Blot: Septin-2 Antibody [NBP1-85212] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-PPIB.



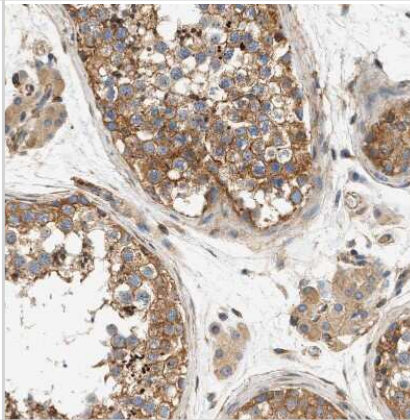
Western Blot: Septin-2 Antibody [NBP1-85212] - Stable septin-2 knockdown shows a decrease in proliferation. Verification of septin-2 knockdown at protein level visualized by Western blot. A single blot was probed simultaneously for septin-2 and GAPDH as a loading control. The original blot can be seen in Supplementary Figure 4. Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.26836>), licensed under a CC-BY license.



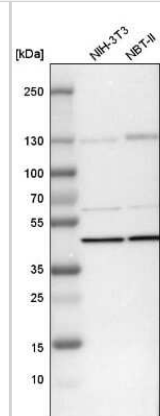
Immunocytochemistry/Immunofluorescence: Septin-2 Antibody [NBP1-85212] - Imaging of cultured rat cortical astrocytes. Image submitted by a verified customer review.



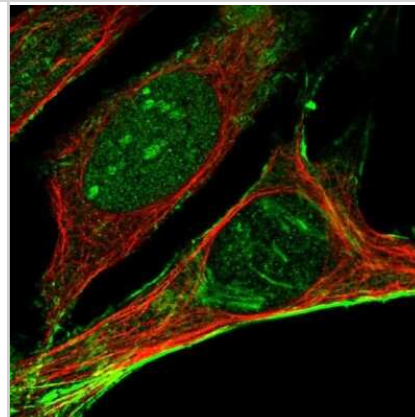
Immunohistochemistry-Paraffin: Septin-2 Antibody [NBP1-85212] - Staining of human testis shows strong membranous/cytoplasmic positivity in cells in seminiferous ducts.



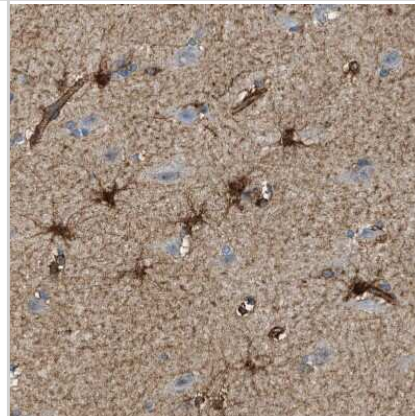
Western Blot: Septin-2 Antibody [NBP1-85212] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



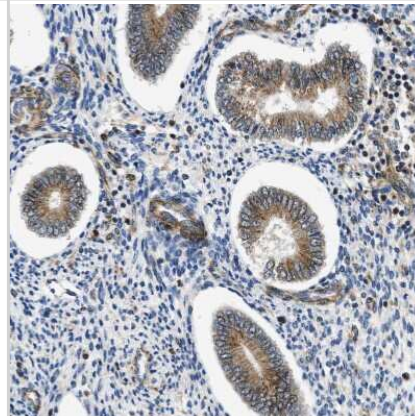
Immunocytochemistry/Immunofluorescence: Septin-2 Antibody [NBP1-85212] - Staining of human cell line U-2 OS shows localization to nucleus, nucleoli & actin filaments. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: Septin-2 Antibody [NBP1-85212] - Staining of human cerebral cortex shows strong cytoplasmic positivity in glial cells.



Immunohistochemistry-Paraffin: Septin-2 Antibody [NBP1-85212] - Staining of human endometrium shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: Septin-2 Antibody [NBP1-85212] - Staining of human small intestine shows weak cytoplasmic positivity in glandular cells.



Publications

Ana G, Bernardo O, Marco N et al. Micronuclei from misaligned chromosomes that satisfy the spindle assembly checkpoint in cancer cells. *Curr Biol.* 2022-08-27 [PMID: 36057259]

Lee AR Deciphering the Molecular Mechanisms of Orai1-dependent Entosis in Cancer Development and SEPTINS Cleavage-mediated Ciliary Defects in Coronavirus Infection Thesis 2023-01-01

Lee AR, Park CY Orai1 is an Entotic Ca²⁺ Channel for Non-Apoptotic Cell Death, Entosis in Cancer Development Advanced science (Weinheim, Baden-Wurttemberg, Germany) 2023-03-24 [PMID: 36960682]

Lim RR, Hainsworth DP, Mohan RR, Chaurasia SS Septin-2 is overexpressed in epithelial ovarian cancer and mediates proliferation via regulation of cellular metabolic proteins *Oncotarget* 2019-04-26 [PMID: 31105878] (KD, WB, Human)

Volceanov L, Herbst K, Biniossek M et al. Septins Arrange F-Actin-Containing Fibers on the Chlamydia trachomatis Inclusion and Are Required for Normal Release of the Inclusion by Extrusion. *mBio* 2014-10-07 [PMID: 25293760] (IF/IHC, WB, Human)

Froidevaux-Klipfel L, Poirier F, Boursier C et al. Modulation of septin and molecular motor recruitment in the microtubule environment of the Taxol-resistant human breast cancer cell line MDA-MB-231. *Proteomics* 2011-10-01 [PMID: 21761557]



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Products Related to NBP1-85212

NBP1-85212PEP	Septin-2 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

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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