

Product Datasheet

SSBP1 Antibody - BSA Free

NBP1-80720

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: 7

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Updated 12/2/2025 v.20.1

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NBP1-80720

SSBP1 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

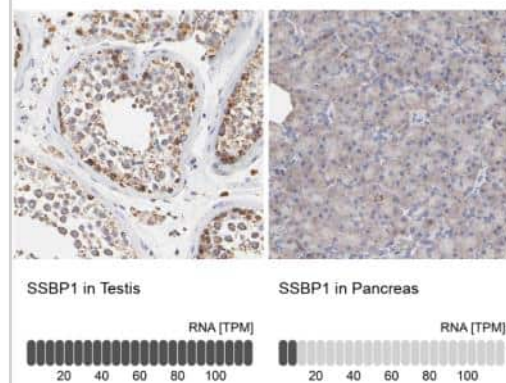
Product Description	
Description	Novus Biologicals Rabbit SSBP1 Antibody - BSA Free (NBP1-80720) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-SSBP1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6742
Gene Symbol	SSBP1
Species	Human, Mouse, Rat
Marker	Mitochondria Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LQVLRQFVRHESETTTSLVLERSLNRVHLLGRVGQDPVLRQVEGKNPVTIFSLA TNEMWRSGDSEVYQLGDVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEG KIDYGEYMDKNNVRRQATTIADNIIFLSDQTKE

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.

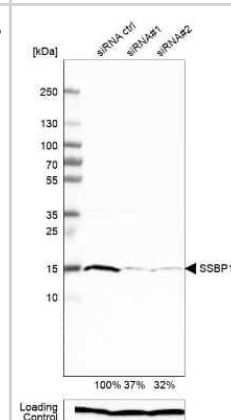


Images

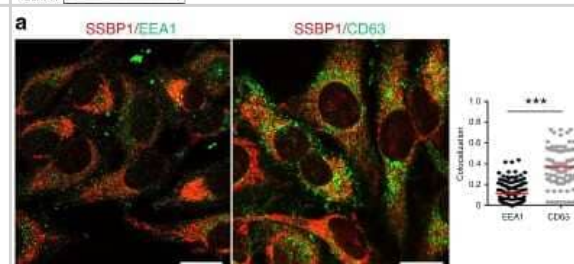
Immunohistochemistry-Paraffin: SSBP1 Antibody [NBP1-80720] - Analysis in human testis and pancreas tissues using HPA002866 antibody. Corresponding SSBP1 RNA-seq data are presented for the same tissues.



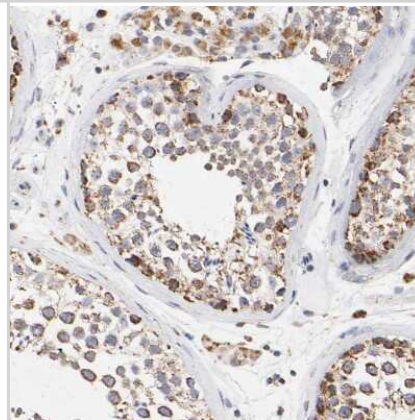
Western Blot: SSBP1 Antibody [NBP1-80720] - Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-SSBP1 antibody. Remaining relative intensity is presented. Loading control: anti-PPIB.



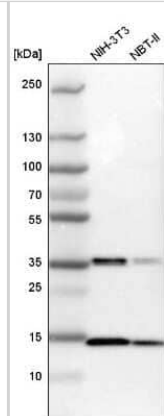
Immunocytochemistry/Immunofluorescence: SSBP1 Antibody [NBP1-80720] - Mitochondrial components segregate into MVBs and are secreted in exosomes. Confocal co-localization analysis in HEK293 cells treated with FCCP (4 h) and stained with SSBP1 (red), EEA1 and CD63 (green). Bar, 10 μ m. Graph shows means for Mander's co-localization coefficient for SSBP1 and EEA1 or CD63 (n = 3). t-test: ***P-value < 0.0001. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-018-05077-9>), licensed under a CC-BY license.



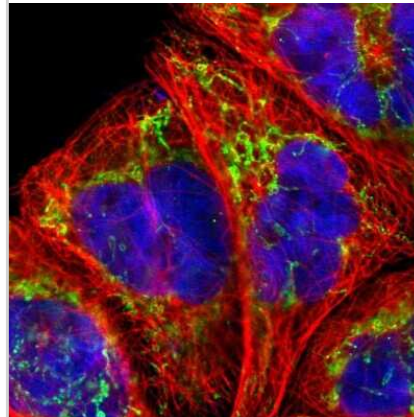
Immunohistochemistry-Paraffin: SSBP1 Antibody [NBP1-80720] - Staining of human testis shows positivity in cells in seminiferous ducts.



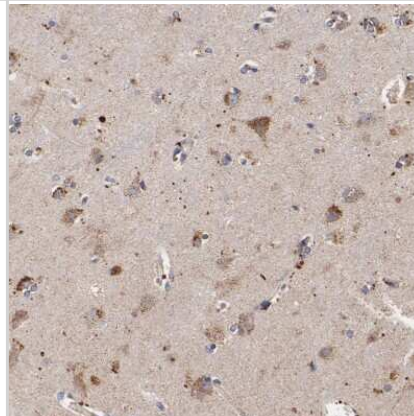
Western Blot: SSBP1 Antibody [NBP1-80720] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



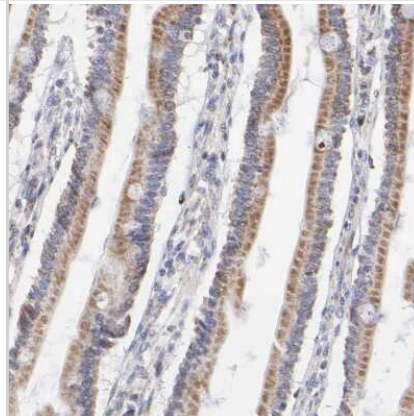
Immunocytochemistry/Immunofluorescence: SSBP1 Antibody [NBP1-80720] - Staining of human cell line A-431 shows localization to mitochondria. Antibody staining is shown in green.



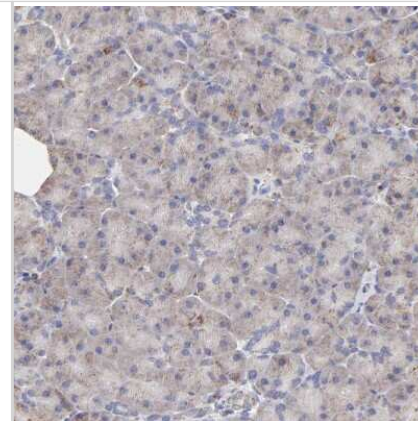
Immunohistochemistry-Paraffin: SSBP1 Antibody [NBP1-80720] - Staining of human cerebral cortex shows granular cytoplasmic positivity in neurons.



Immunohistochemistry-Paraffin: SSBP1 Antibody [NBP1-80720] - Staining of human duodenum shows granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: SSBP1 Antibody [NBP1-80720] - Staining of human pancreas shows weak granular cytoplasmic positivity in exocrine glandular cells.



Publications

Tian HP, Sun YH, He L et al. Single-Stranded DNA-Binding Protein 1 Abrogates Cardiac Fibroblast Proliferation and Collagen Expression Induced by Angiotensin II. *Int Heart J.* 2018-10-25 [PMID: 30369577]

Atzori MG, Ceci C, Ruffini F Et al. The Anti-Vascular Endothelial Growth Factor Receptor 1 (VEGFR-1) D16F7 Monoclonal Antibody Inhibits Melanoma Adhesion to Soluble VEGFR-1 and Tissue Invasion in Response to Placenta Growth Factor Cancers (Basel) 2022-11-26 [PMID: 36428669] (IHC-P)

Details:

Citation using the HRP version of this antibody.

Liu H, He Z, April SL et al. Biochemical re-programming of human dermal stem cells to neurons by increasing mitochondrial membrane potential *Cell Death Differ.* 2018-08-28 [PMID: 30154448] (ICC/IF, Human)

Zurita Rendon O, Shoubridge E. LONP1 is required for maturation of a subset of mitochondrial proteins and its loss elicits an integrated stress response *bioRxiv* 2018-04-23 [PMID: 30061372] (IB, Human)

Torralba D, Baixauli F, Villarroya-Beltri C et al. Priming of dendritic cells by DNA-containing extracellular vesicles from activated T cells through antigen-driven contacts. *Nat Commun* 2018-07-09 [PMID: 29985392] (ICC/IF, Human)

Rajala N, Hensen F, Wessels HJ et al. Whole Cell Formaldehyde Cross-Linking Simplifies Purification of Mitochondrial Nucleoids and Associated Proteins Involved in Mitochondrial Gene Expression. *PLoS One* 2015-01-01 [PMID: 25695250] (WB)

Nicolas A, Alazard-Dany N, Biollay C et al. Identification of rep-associated factors in herpes simplex virus type 1-induced adeno-associated virus type 2 replication compartments. *J Virol* 2010-09-01 [PMID: 20573815]



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Products Related to NBP1-80720

NBP1-80720PEP	SSBP1 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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