

# Product Datasheet

## SPARC Antibody - BSA Free

### NBP1-80971

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: 4

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**NBP1-80971**

SPARC 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

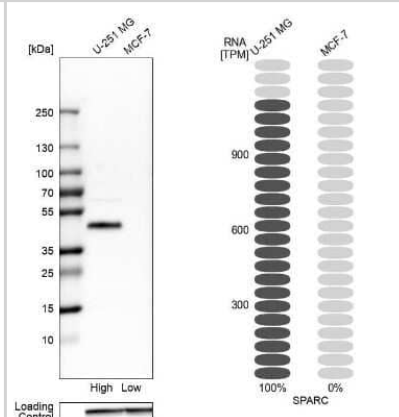
Product Description	
Description	Novus Biologicals Rabbit SPARC Antibody - BSA Free (NBP1-80971) is a polyclonal antibody validated for use in IHC and WB. Anti-SPARC Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6678
Gene Symbol	SPARC
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (85%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QEALPDETEVVEETVAEVTEVSVGANPVQVEVGEFDDGAEETEEVVAENPC QNHHCKHGKVCELDENTPMCVQCQDPTSCPAPIGEFEKVCSDNKNKTFDSSCH FFATKCTLEGTKKKGHKLHLDY

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000, Immunohistochemistry-Frozen 1:100-1:2000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Use in IHC-FR reported in scientific literature (PMID 24552219).

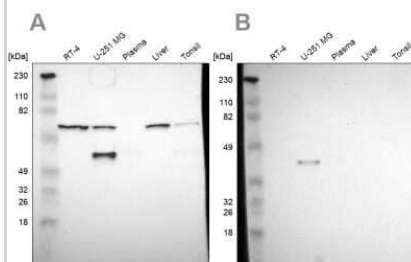


## Images

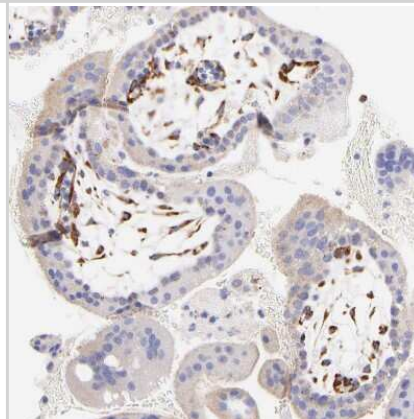
Western Blot: SPARC Antibody [NBP1-80971] - Analysis in human cell lines U-251MG and MCF-7. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



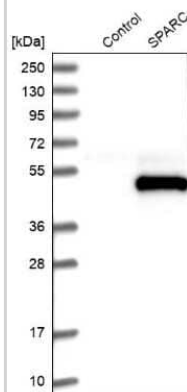
Western Blot: SPARC Antibody [NBP1-80971] - Analysis using Anti-SPARC antibody NBP1-80971 (A) shows similar pattern to independent antibody NBP1-80972 (B).



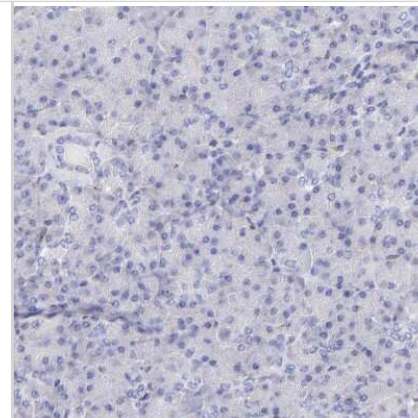
Immunohistochemistry-Paraffin: SPARC Antibody [NBP1-80971] - Staining of human placenta shows moderate cytoplasmic positivity in fibroblasts.



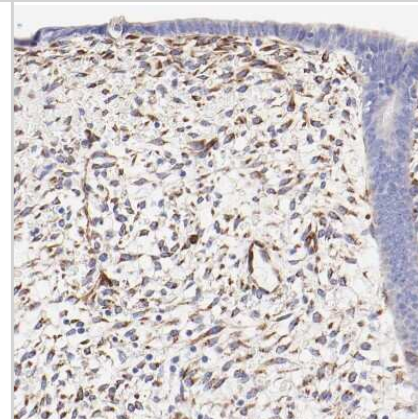
Western Blot: SPARC Antibody [NBP1-80971] - Analysis in control (vector only transfected HEK293T lysate) and SPARC over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



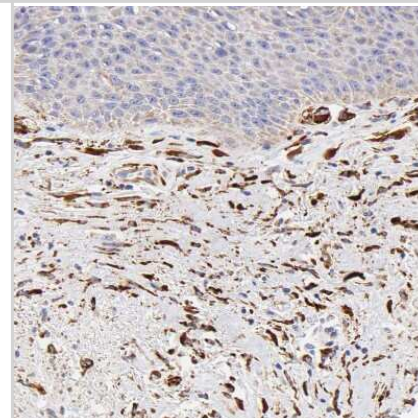
Immunohistochemistry-Paraffin: SPARC Antibody [NBP1-80971] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Immunohistochemistry-Paraffin: SPARC Antibody [NBP1-80971] - Staining of human endometrium shows moderate cytoplasmic positivity in stromal cells.



Immunohistochemistry-Paraffin: SPARC Antibody [NBP1-80971] - Staining of human skin shows moderate cytoplasmic positivity in fibroblasts.



## Publications

Yu J, Berga SL, Zou W et al. Human Endometrial Stromal Cell Differentiation is Stimulated by PPAR beta/delta Activation: New Targets for Infertility? J. Clin. Endocrinol. Metab. 2020-09-01 [PMID: 32594141]

Bihari C, Lal D, Thakur M et al. Suboptimal Level of Bone-Forming Cells in Advanced Cirrhosis are Associated with Hepatic Osteodystrophy. Hepatol Commun 2018-09-01 [PMID: 30202823] (IF/IHC, Human)

Goswami R, Millo T, Mishra S et al. Expression of osteogenic molecules in the caudate nucleus and gray matter and their potential relevance for basal ganglia calcification in hypoparathyroidism. J. Clin. Endocrinol. Metab. 2014-02-20 [PMID: 24552219] (IHC-Fr, WB, Human)

Kato BS, Nicholson G, Neiman M et al. Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. Proteome Sci 2011-11-17 [PMID: 22093360]



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### **Products Related to NBP1-80971**

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NBP1-80971PEP	SPARC 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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