

# 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.

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**NBP1-80971**

SPARC Antibody - BSA Free

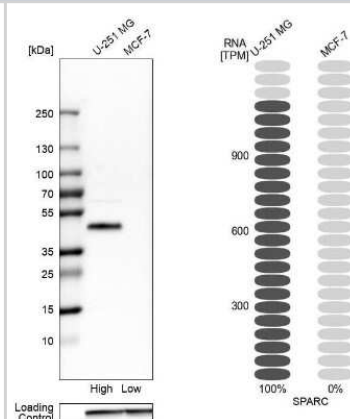
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	6678
<b>Gene Symbol</b>	SPARC
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (85%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: QEALPDETEVVEETVAEVTEVSVGANPVQVEVGEFDDGAEETEEEEVVAENPC QNHHCKKHGKVCULDENNTPMCVCQDPTSCPAPIGEFEKVCSDNKNKTFDSSCH FFATKCTLEGTKKGGHKLHLDY

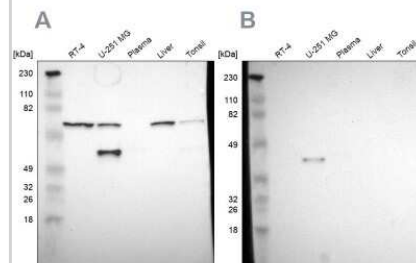
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000, Immunohistochemistry-Frozen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

**Images**

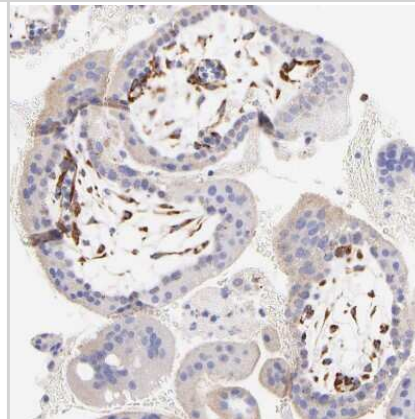
Western Blot: SPARC Antibody [NBP1-80971] - Analysis in human cell lines U-251MG and MCF-7. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



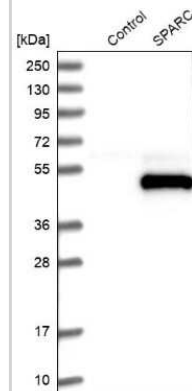
Western Blot: SPARC Antibody [NBP1-80971] - Analysis using Anti-SPARC antibody NBP1-80971 (A) shows similar pattern to independent antibody NBP1-80972 (B).



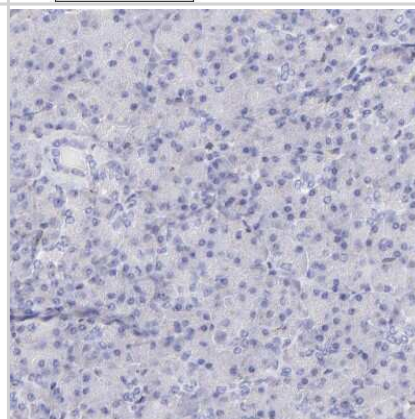
Immunohistochemistry-Paraffin: SPARC Antibody [NBP1-80971] - Staining of human placenta shows moderate cytoplasmic positivity in fibroblasts.



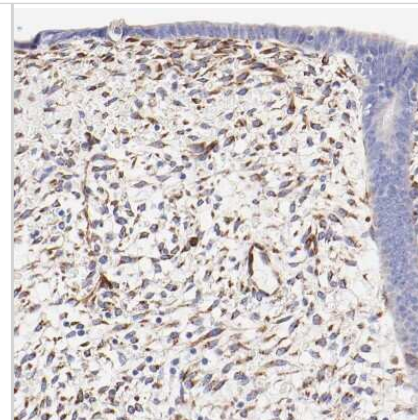
Western Blot: SPARC Antibody [NBP1-80971] - Analysis in control (vector only transfected HEK293T lysate) and SPARC over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



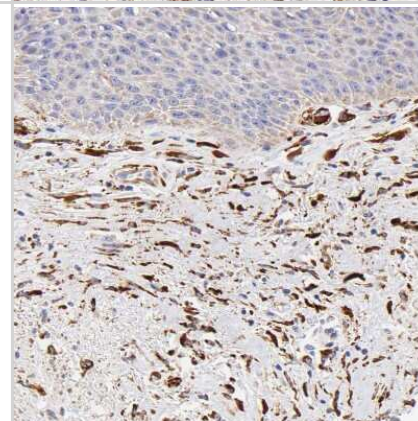
Immunohistochemistry-Paraffin: SPARC Antibody [NBP1-80971] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



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
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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