

# Product Datasheet

## SPARC Antibody - BSA Free

### NBP1-80972

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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**NBP1-80972**

SPARC Antibody - BSA Free

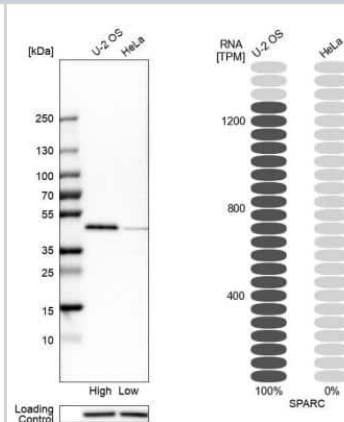
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	35 kDa

Product Description	
Host	Rabbit
Gene ID	6678
Gene Symbol	SPARC
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported from a verified customer review.
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VLVTLYERDEDNLLTEKQKLRVKKIHENEKRLEAGDHPVELLARDFEKYNMY IFPVHWQFGQLDQHPIDGYLSHTELAPLRAPLIPMEHCTTRFFETCDLDNDKYIA LDEWAGCFGIKQKDIDKDL

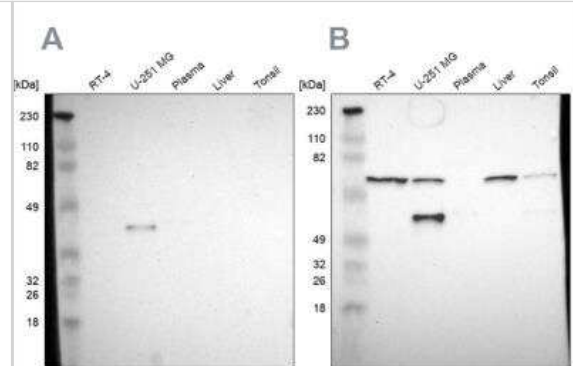
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. SPARC antibody validated for ICC/IF, WB from verified customer reviews.

**Images**

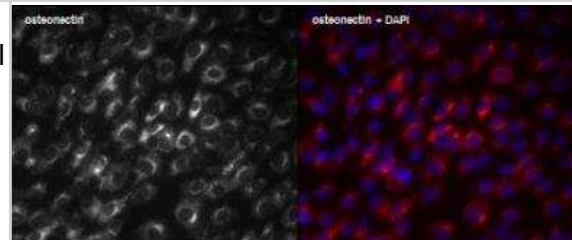
Western Blot: SPARC Antibody [NBP1-80972] - Analysis in human cell lines U2OS and HeLa. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



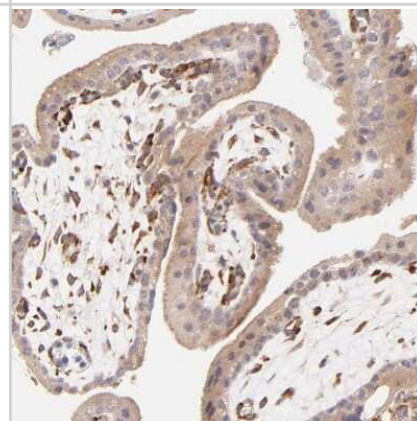
Western Blot: SPARC Antibody [NBP1-80972] - Analysis using Anti-SPARC antibody NBP1-80972 (A) shows similar pattern to independent antibody NBP1-80971 (B).



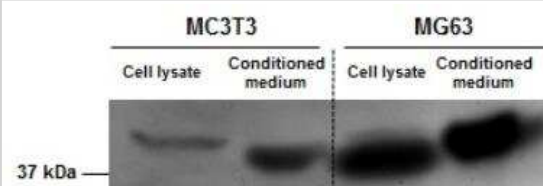
Immunocytochemistry/Immunofluorescence: SPARC Antibody [NBP1-80972] - Staining SPARC in MG63 cells using anti-SPARC antibody. Cells were fixed in 4% Paraformaldehyde (20 min, RT); and permeabilized in 0,2% Triton (15 min, RT). Image from verified customer review.



Immunohistochemistry-Paraffin: SPARC Antibody [NBP1-80972] - Staining of human placenta shows strong positivity in endothelial cells and fibroblasts.



Western Blot: SPARC Antibody [NBP1-80972] - Analysis of SPARC MC3T3 (mouse), MG63 (human) cell lysates and conditions media using anti-SPARC antibody. Image from verified customer review.



## Publications

T Okada, H Suzuki, ZD Travis, O Altay, J Tang, JH Zhang SPARC Aggravates Blood-Brain Barrier Disruption via Integrin  $\alpha$ V $\beta$ 3/MAPKs/MMP-9 Signaling Pathway after Subarachnoid Hemorrhage Oxidative Medicine and Cellular Longevity, 2021-11-11;2021(0):9739977. 2021-11-11 [PMID: 34804372]

Dochi H, Kondo S, Komura S et al. Peritumoral SPARC expression induced by exosomes from nasopharyngeal carcinoma infected Epstein-Barr virus: A poor prognostic marker International journal of cancer 2023-10-31 [PMID: 37907830] (WB)

de Sousa BM, Correia CR, Ferreira JAF Et al. Capacitive interdigitated system of high osteoinductive/conductive performance for personalized acting-sensing implants NPJ Regenerative medicine 2021-11-23 [PMID: 34815414] (WB, Mouse)

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 NBP1-80972**

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NBP1-80972PEP	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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