

# Product Datasheet

## SPACA4 Antibody - BSA Free

### NBP1-80793

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: 2

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Updated 2/21/2025 v.20.1

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**NBP1-80793**

SPACA4 Antibody - BSA Free

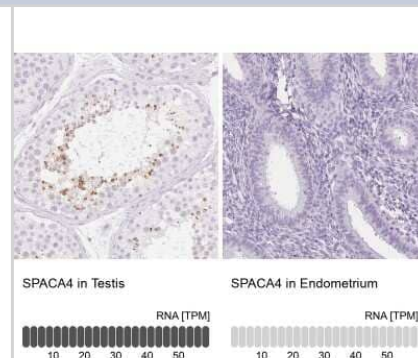
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	171169
Gene Symbol	SPACA4
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MHCGDDEDCCFTGHGVAPGTGPVINKGCLRATSCGLEEPVSYRGVTYSLTTNC CTGRLCNRAPSSQTVGATTSLALGLGMLLPPR

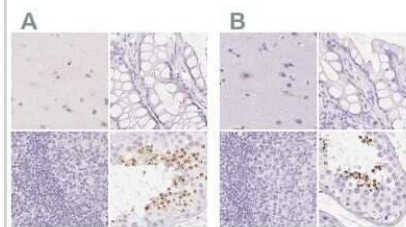
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

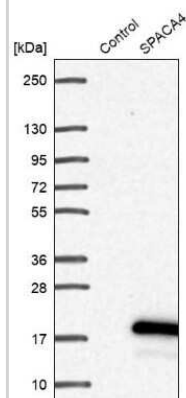
Immunohistochemistry-Paraffin: SPACA4 Antibody [NBP1-80793] - Staining in human testis and endometrium tissues using anti-SPACA4 antibody. Corresponding SPACA4 RNA-seq data are presented for the same tissues.



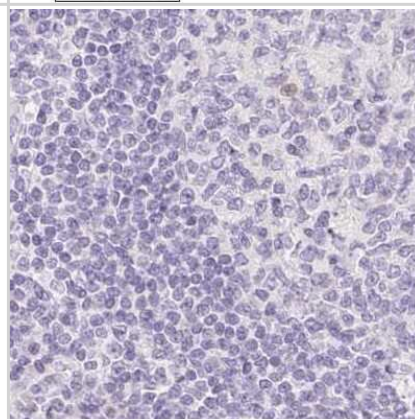
Immunohistochemistry-Paraffin: SPACA4 Antibody [NBP1-80793] - Staining of human cerebral cortex, colon, lymph node and testis using Anti-SPACA4 antibody NBP1-80793 (A) shows similar protein distribution across tissues to independent antibody NBP2-38913 (B).



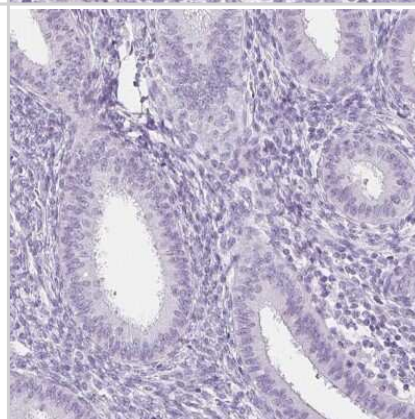
Western Blot: SPACA4 Antibody [NBP1-80793] - Analysis in control (vector only transfected HEK293T lysate) and SPACA4 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



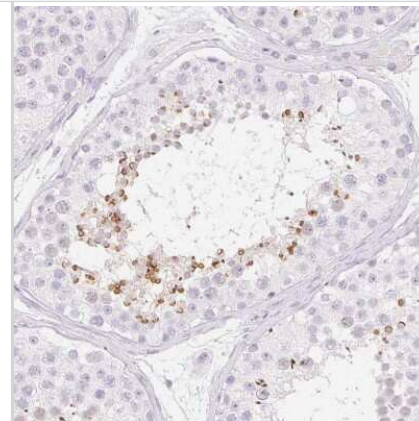
Immunohistochemistry-Paraffin: SPACA4 Antibody [NBP1-80793] - Staining of human lymph node.



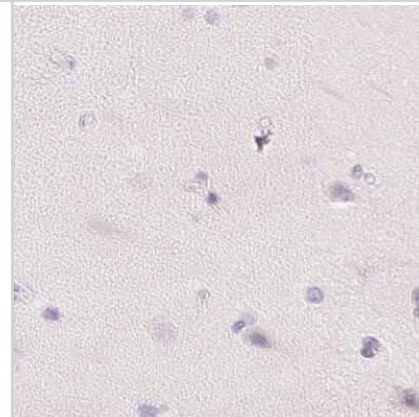
Immunohistochemistry-Paraffin: SPACA4 Antibody [NBP1-80793] - Staining of human endometrium shows low expression as expected.



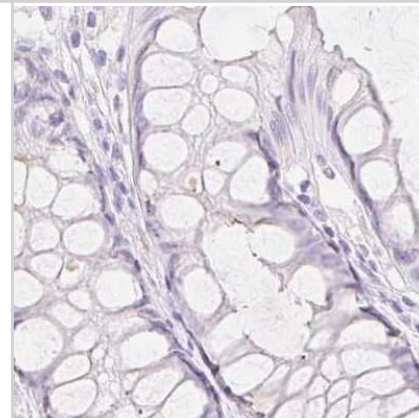
Immunohistochemistry-Paraffin: SPACA4 Antibody [NBP1-80793] - Staining of human testis shows high expression.



Immunohistochemistry-Paraffin: SPACA4 Antibody [NBP1-80793] - Staining of human cerebral cortex.



Immunohistochemistry-Paraffin: SPACA4 Antibody [NBP1-80793] - Staining of human colon.



## Publications

Sun B, Wu H, Lu J et al. Irisin reduces bone fracture by facilitating osteogenesis and antagonizing TGF- $\beta$ /Smad signaling in a growing mouse model of osteogenesis imperfecta Journal of orthopaedic translation 2023-01-01 [PMID: 36439629] (ELISA)

Ripolles-Garcia A, Chen Y, Sato Y et al. Retinal Vascular Plexuses Are Unequally Affected in Canine Inherited Retinal Degenerations Investigative ophthalmology & visual science 2022-11-01 [PMID: 36378130] (IHC-Fr, Canine)

Details:

Dilution used in IHC-Fr 1:500



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### **Products Related to NBP1-80793**

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NBP1-80793PEP	SPACA4 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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