

# Product Datasheet

## SUN1 Antibody - BSA Free NBP1-87395

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: 1

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**NBP1-87395**

SUN1 Antibody - BSA Free

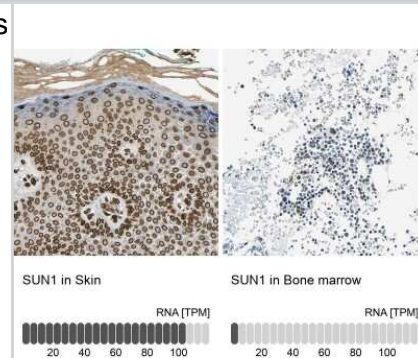
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	23353
Gene Symbol	SUN1
Species	Human
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 26356418).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QGNFFSFLPVLNWASMHRTQRVDDPQDVFKPTTSRLKQPLQGDSEAFPWWHW MSGVEQQVASLSGQCHHHGENLRELTTLLQKLQARVDQMEGGAAGPSASVR DAVGQPPRETDFMAFHQEHEVRMSHLEDILGKLR

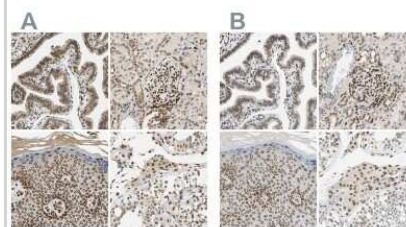
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	ICC/IF reported in scientific literature (PMID: 26356418). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

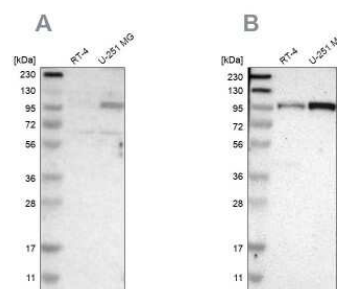
Immunohistochemistry-Paraffin: SUN1 Antibody [NBP1-87395] - Analysis in human skin and bone marrow tissues. Corresponding SUN1 RNA-seq data are presented for the same tissues.



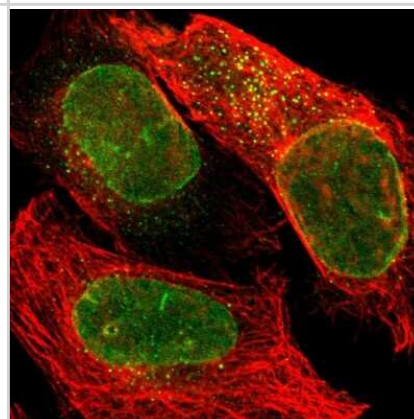
Immunohistochemistry-Paraffin: SUN1 Antibody [NBP1-87395] - Staining of human fallopian tube, kidney, skin and testis using Anti-SUN1 antibody NBP1-87395 (A) shows similar protein distribution across tissues to independent antibody NBP1-87396 (B).



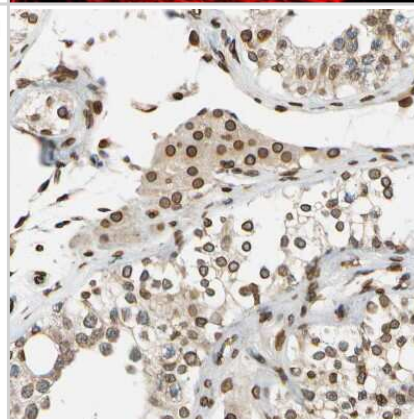
Western Blot: SUN1 Antibody [NBP1-87395] - Analysis using Anti-SUN1 antibody NBP1-87395 (A) shows similar pattern to independent antibody NBP1-87396 (B).



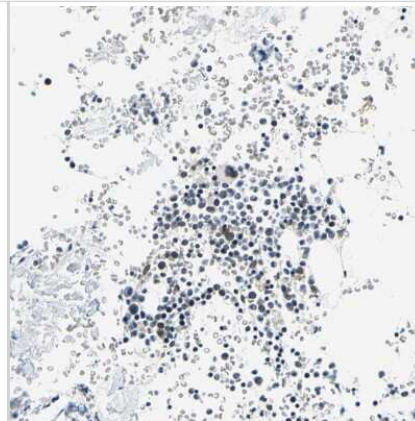
Immunocytochemistry/Immunofluorescence: SUN1 Antibody [NBP1-87395] - Immunofluorescent staining of human cell line U-2 OS shows localization to nuclear membrane & vesicles.



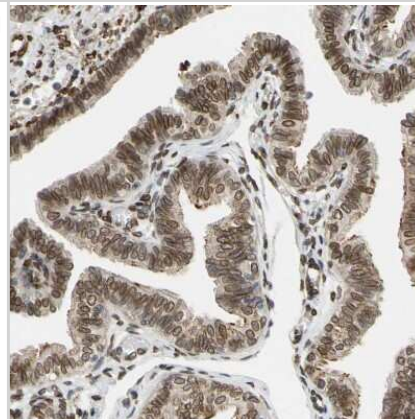
Immunohistochemistry-Paraffin: SUN1 Antibody [NBP1-87395] - Staining of human testis shows strong positivity in nuclear membrane in Leydig cells.



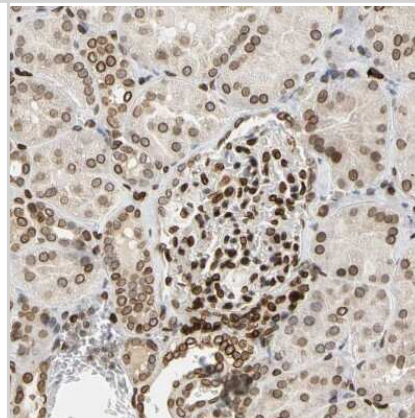
Immunohistochemistry-Paraffin: SUN1 Antibody [NBP1-87395] - Staining of human bone marrow shows low positivity in hematopoietic cells as expected.



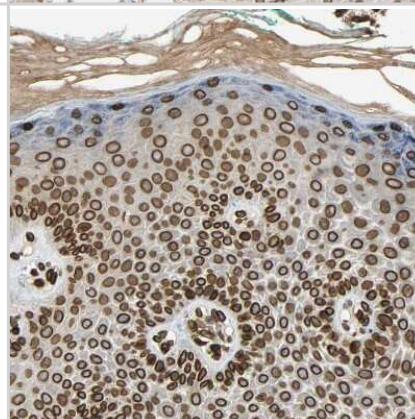
Immunohistochemistry-Paraffin: SUN1 Antibody [NBP1-87395] - Staining of human Fallopian tube shows moderate positivity in nuclear membrane in glandular cells.



Immunohistochemistry-Paraffin: SUN1 Antibody [NBP1-87395] - Staining of human kidney shows strong positivity in nuclear membrane in cells in glomeruli.



Immunohistochemistry-Paraffin: SUN1 Antibody [NBP1-87395] - Staining of human skin shows strong positivity in nuclear membrane in squamous epithelial cells.



## Publications

Chaumet A, Wright GD, Seet SH et al. Nuclear envelope-associated endosomes deliver surface proteins to the nucleus. Nat Commun 2015-09-10 [PMID: 26356418] (ICC/IF, Human)



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### **Products Related to NBP1-87395**

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NBP1-87395PEP	SUN1 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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