

# Product Datasheet

## SP100 Antibody - BSA Free

### NBP1-89457

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: 1

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Updated 2/21/2025 v.20.1

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**NBP1-89457**

SP100 Antibody - BSA Free

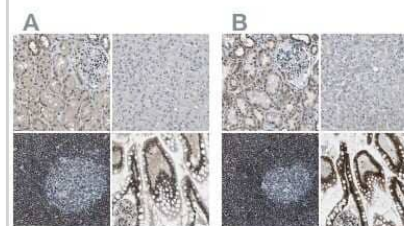
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	6672
Gene Symbol	SP100
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: YKGFENVIHDKLPLQESEEEEEEREERSGLQLSLEQGTGENSFRSLTWPPSGSPS HAGTTPPENGLSEHPCETEIQINAKRKDTTSDKDDSLGSQQTNEQCAQKAAPT ESCEQIAVQVNNGDAGREMPCL

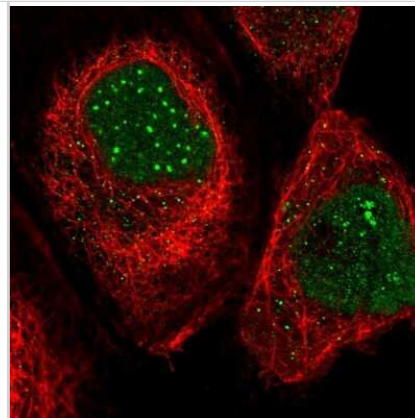
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

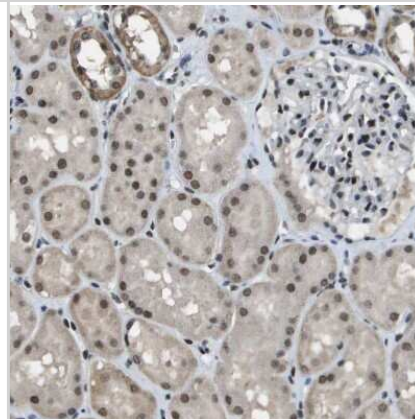
Immunohistochemistry-Paraffin: SP100 Antibody [NBP1-89457] - Staining of human kidney, liver, lymph node and small intestine using Anti-SP100 antibody NBP1-89457 (A) shows similar protein distribution across tissues to independent antibody NBP1-86060 (B).



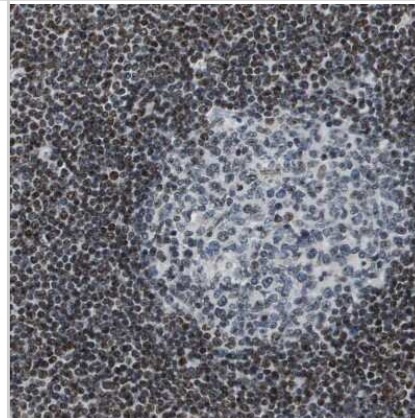
Immunocytochemistry/Immunofluorescence: SP100 Antibody [NBP1-89457] - Staining of human cell line A-431 shows localization to nucleus & nuclear bodies. Antibody staining is shown in green.



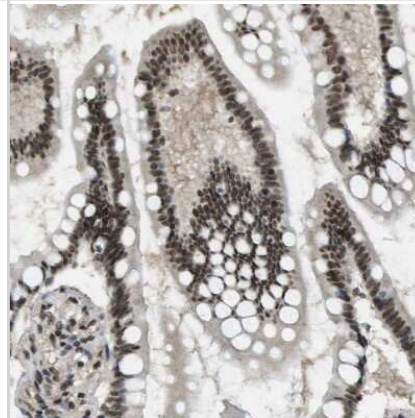
Immunohistochemistry-Paraffin: SP100 Antibody [NBP1-89457] - Staining of human kidney shows moderate nuclear positivity in cells in tubules.



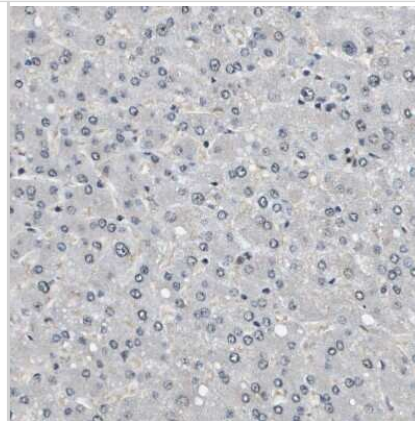
Immunohistochemistry-Paraffin: SP100 Antibody [NBP1-89457] - Staining of human lymph node shows strong nuclear positivity in non-germinal center cells.



Immunohistochemistry-Paraffin: SP100 Antibody [NBP1-89457] - Staining of human small intestine shows strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: SP100 Antibody [NBP1-89457] -  
Staining of human liver shows no positivity in hepatocytes as expected.



## Publications

Xiang Gu, Ai Zhuang, Jie Yu, Ludi Yang, Shengfang Ge, Jing Ruan, Renbing Jia, Xianqun Fan, Peiwei Chai Histone lactylation-boosted ALKBH3 potentiates tumor progression and diminished promyelocytic leukemia protein nuclear condensates by m1A demethylation of SP100A. *Nucleic acids research* 2023-12-20 [PMID: 38118002]



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### **Products Related to NBP1-89457**

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NBP1-89457PEP	SP100 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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