

# Product Datasheet

## SAMM50 Antibody - BSA Free **NBP1-84509**

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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Updated 9/9/2025 v.20.1

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**NBP1-84509**

SAMM50 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**

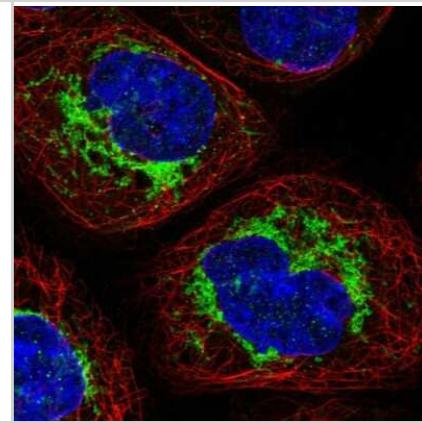
<b>Description</b>	Novus Biologicals Rabbit SAMM50 Antibody - BSA Free (NBP1-84509) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, Simple Western and IP. Anti-SAMM50 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	25813
<b>Gene Symbol</b>	SAMM50
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: HARSLEPLPSSGGPDFGGLGEEAEFVEVEPEAKQEILENKDVVQHVHFGLGRTKDDIIICEIGDVFKAKNLIEVMRKSHEAREKLLRLGIFRQVDVLID

**Product Application Details**

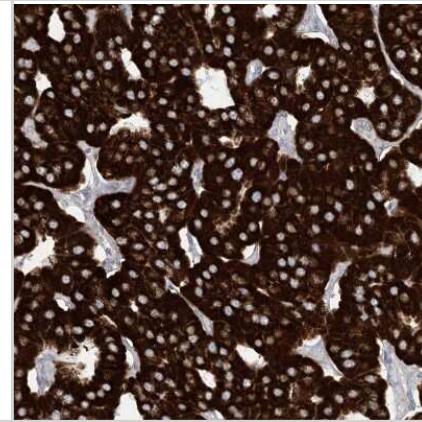
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Simple Western 1:4, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation Reported in scientific literature (PMID:26308446),, Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. IHC-Paraffin HIER pH6 retrieval is recommended. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in RT-4 and U-251MG, separated by Size, antibody dilution of 1:4, apparent MW was 56 kDa

## Images

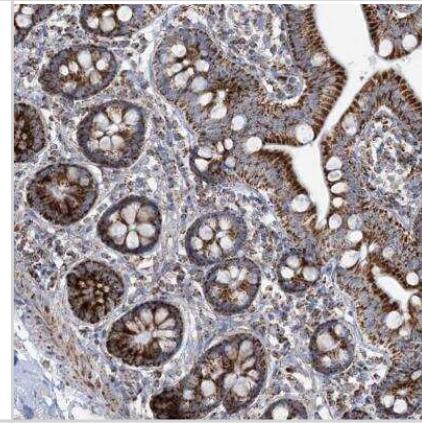
Immunocytochemistry/Immunofluorescence: SAMM50 Antibody [NBP1-84509] - Staining of human cell line A-431 shows localization to mitochondria. Antibody staining is shown in green.



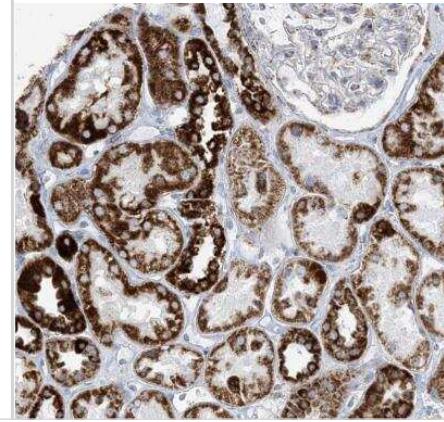
Immunohistochemistry-Paraffin: SAMM50 Antibody [NBP1-84509] - Staining of human parathyroid gland shows very strong granular cytoplasmic positivity in glandular cells.



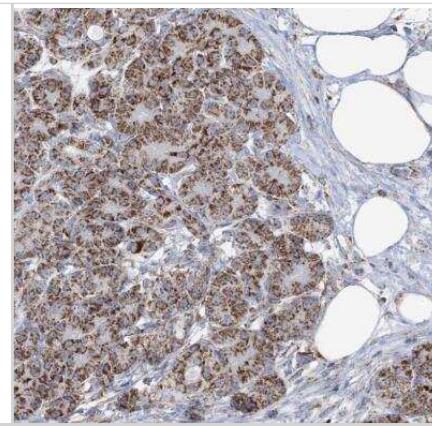
Immunohistochemistry-Paraffin: SAMM50 Antibody [NBP1-84509] - Staining of human small intestine shows strong cytoplasmic granular positivity in glandular cells.



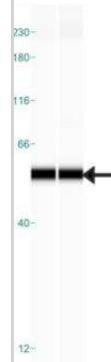
Immunohistochemistry-Paraffin: SAMM50 Antibody [NBP1-84509] - Staining of human kidney shows very strong cytoplasmic granular positivity in cells in tubules.



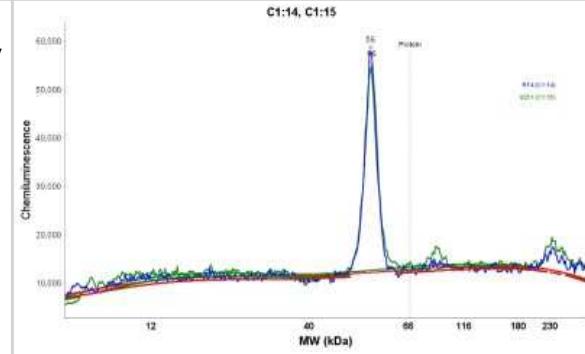
Immunohistochemistry-Paraffin: SAMM50 Antibody [NBP1-84509] - Staining of human pancreas shows moderate cytoplasmic granular positivity in exocrine glandular cells.



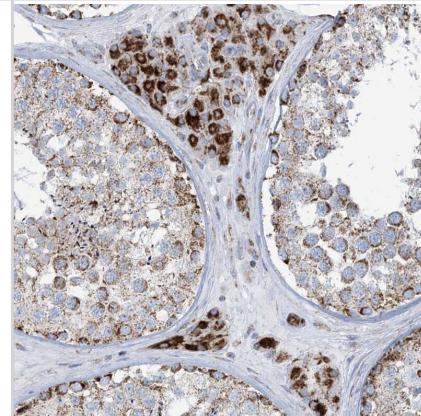
Simple Western: SAMM50 Antibody [NBP1-84509] - Simple Western lane view shows a specific band for SAMM50 in 0.2 mg/ml of RT-4 (Left) and U-251MG (Right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



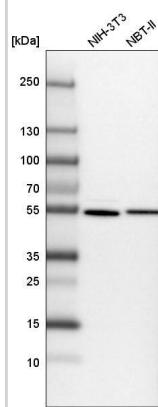
Simple Western: SAMM50 Antibody [NBP1-84509] - Electropherogram image(s) of corresponding Simple Western lane view. SAMM50 antibody was used at 1:4 dilution on RT-4 and U-251MG lysate(s).



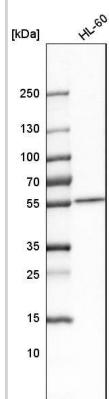
Staining of human testis shows strong cytoplasmic granular positivity in Leydig cells.



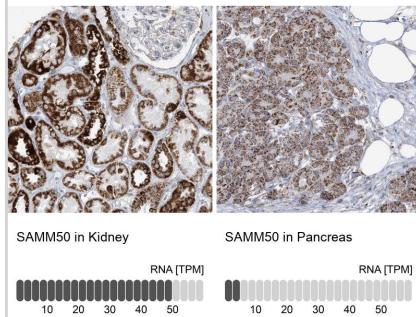
Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Analysis in human cell line HL-60.



Analysis in human kidney and pancreas tissues using HPA034537 antibody. Corresponding SAMM50 RNA-seq data are presented for the same tissues.



## Publications

Takamitsu E, Otsuka M, Haebara T et al. Identification of Human N-Myristoylated Proteins from Human Complementary DNA Resources by Cell-Free and Cellular Metabolic Labeling Analyses. PLoS One 2015-01-01 [PMID: 26308446] (IP, ICC/IF, Human)



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## Products Related to NBP1-84509

NBP1-84509PEP	SAMM50 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

## 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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