

# Product Datasheet

## SNX27 Antibody - BSA Free

### NBP1-45283

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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**NBP1-45283**

SNX27 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<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>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS and 30% Glycerol
<b>Target Molecular Weight</b>	65 kDa

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	81609
<b>Gene Symbol</b>	SNX27
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Predicted to react with rat, bovine and Zebrafish based on 100% sequence homology. Use in Rat reported in scientific literature (PMID:32413996).
<b>Immunogen</b>	Synthetic peptide made to an internal portion of human SNX27 (within residues 450-500). [Swiss-Prot# Q96L92]

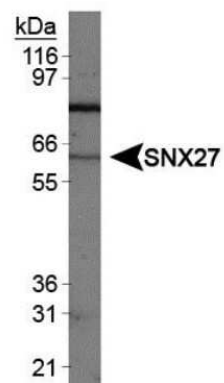
**Product Application Details**

<b>Applications</b>	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Simple Western 10 ug/ml, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation reported in scientific literature (PMID 32413996), Immunohistochemistry-Paraffin 1:100
<b>Application Notes</b>	<p>In Western blot, a band is seen at approx. 65 kDa. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Human Cerebellum and Mouse Cerebellum lysate 0.5 mg/mL, separated by Size, antibody dilution of 10 ug/mL. Separated by Size-Wes, Sally Sue/Peggy Sue.</p> <p>The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

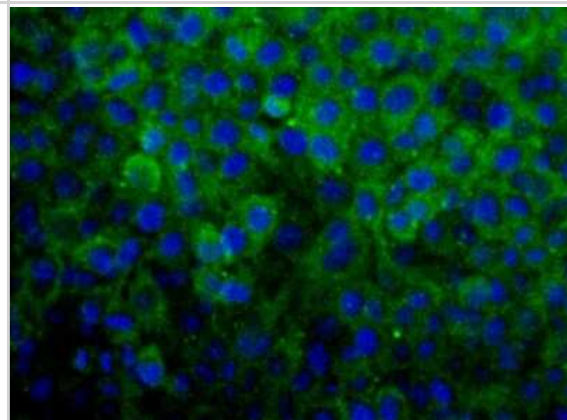


## Images

Western Blot: SNX27 Antibody [NBP1-45283] - Analysis of SNX27 on mouse brain extracts.



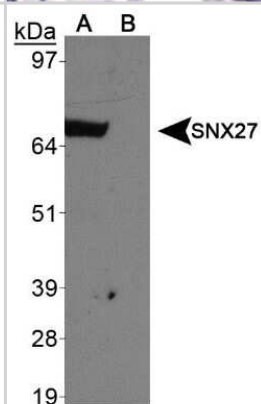
Immunocytochemistry/Immunofluorescence: SNX27 Antibody [NBP1-45283] - Detection of SNX27 (Green) in Hela cells using NBP1-45283. Nuclei (Blue) are counterstained using Hoechst 33258.



Immunohistochemistry: SNX27 Antibody [NBP1-45283] - IHC analysis of SNX27 in mouse bladder using DAB with hematoxylin counterstain.



Western Blot: SNX27 Antibody [NBP1-45283] - Analysis of SNX27 antibody in A. 293T + tagged SNX27 protein and B. 293T empty vector.



Simple Western: SNX27 Antibody [NBP1-45283] - Simple Western lane view shows a specific band for SNX27 in 0.5 mg/ml of Human Cerebellum (left) and Mouse Cerebellum (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



## Publications

Choi HJ, Jang HJ, Park E et al. Sorting Nexin 27 Regulates the Lysosomal Degradation of Aquaporin-2 Protein in the Kidney Collecting Duct Cells 2020-05-13 [PMID: 32413996] (IP, Rat)

Ish-Shalom E, Meirow Y, Sade-Feldman M et al. Impaired SNX9 Expression in Immune Cells during Chronic Inflammation: Prognostic and Diagnostic Implications. J. Immunol. 2016-01-01 [PMID: 26608909] (WB, Mouse)



## Procedures

### Protocol specific for SNX27 Antibody (NBP1-45282)

#### SNX27 Antibody:

#### Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 35 ug of total protein per lane.
  2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
  3. Rinse membrane with dH<sub>2</sub>O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
  4. Rinse the blot in TBS for approximately 5 minutes.
  5. Block the membrane using 5% NFD<sub>M</sub> + 1% BSA in TBS + Tween, 1 hour at RT.
  6. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
  7. Dilute the rabbit anti-SNX27 primary antibody (NBP1-45282) in blocking buffer and incubate 1 hour at room temperature.
  8. Rinse the membrane in dH<sub>2</sub>O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
  9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
  10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
  11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).
- Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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### **Products Related to NBP1-45283**

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H00006604-M01-100ug	SMARCD3 Antibody (1G6) - Azide and BSA Free
NBP1-45283PEP	SNX27 Antibody Blocking Peptide
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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