

# Product Datasheet

## STX17 Antibody - BSA Free

### NBP1-93968

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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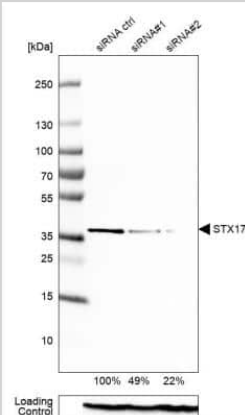
**NBP1-93968**

STX17 Antibody - BSA Free

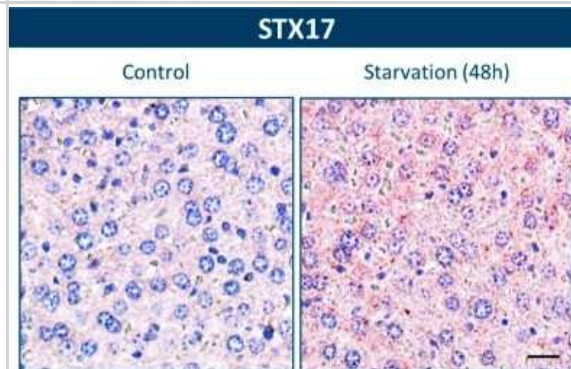
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<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>Host</b>	Rabbit
<b>Gene ID</b>	55014
<b>Gene Symbol</b>	STX17
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 28665306). Rat (86%).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RLEPAIQKFIKIVIPTDLERLRKHQINIEKYQRCRIWDKLHEEHINAGRTVQQQLRS NIREIEKCLKVRKDDLVLKRMIDPVKEEASAATAEFLQLHLESVEELKKQFND EETLLQPPLTRSMTVGGAFHTTEAEASSQSLTQ
Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Simple Western 1:30, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence Reported in (PMID: 24554770), Immunoprecipitation Reported in (PMID: 24554770), Immunohistochemistry-Paraffin 1:200-1:500, Knockdown Validated
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.  In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. 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 1:30, apparent MW was 40 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

## Images

Western Blot: STX17 Antibody [NBP1-93968] - Analysis in A-431 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-STX17 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



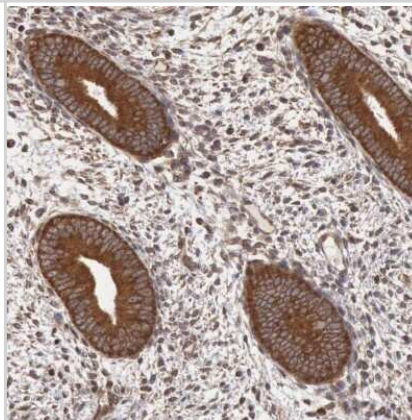
Immunohistochemistry: STX17 Antibody [NBP1-93968] - Immunohistochemical detection of STX17 in liver tissue. After fixation in neutral buffered formalin for 24 h, liver samples of wild type mice were paraffin-embedded and stained for STX17 using rabbit polyclonal anti-STX17 (Novus Biologicals, Littleton, CO, USA; NBP1-93968). Heat-mediated antigen retrieval was performed in citrate buffer (pH 6.0). An accumulation of STX17-positive dots is detectable after starvation. Scale bar = 20  $\mu$ m. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/2073-4409/6/3/17>), licensed under a CC-BY license.



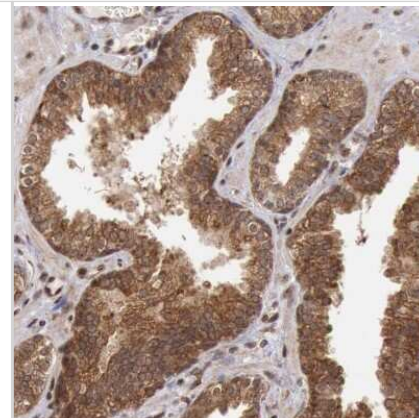
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human skin shows moderate cytoplasmic positivity in epidermal cells.



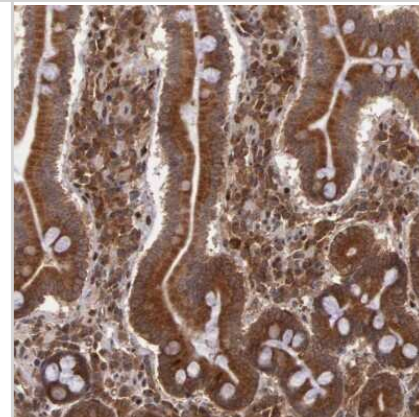
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human endometrium shows strong cytoplasmic positivity in glandular cells.



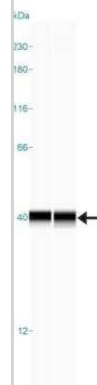
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human prostate shows moderate cytoplasmic positivity in glandular cells.



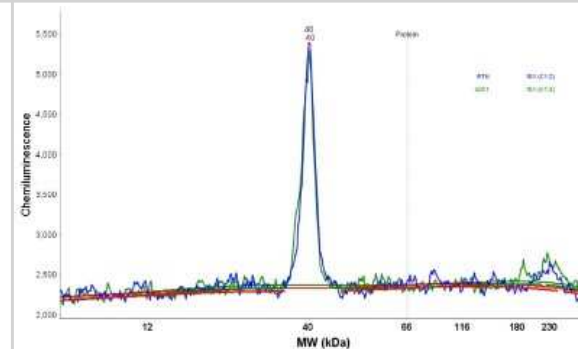
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human duodenum shows strong cytoplasmic positivity in glandular cells.



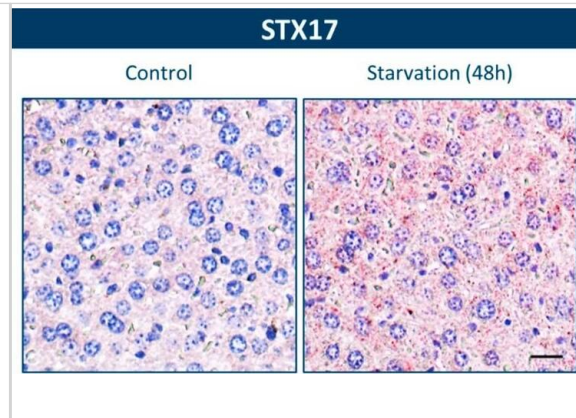
Simple Western: STX17 Antibody [NBP1-93968] - Simple Western lane view shows a specific band for STX17 in 0.2 mg/ml of RT-4 (left) and U-251MG sp (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: STX17 Antibody [NBP1-93968] - Electropherogram image(s) of corresponding Simple Western lane view. STX17 antibody was used at 1:30 dilution on RT-4 and U-251MG sp lysates(s).



Immunohistochemical detection of STX17 in liver tissue. After fixation in neutral buffered formalin for 24 h, liver samples of wild type mice were paraffin-embedded and stained for STX17 using rabbit polyclonal anti-STX17 (Novus Biologicals, Littleton, CO, USA; NBP1-93968). Heat-mediated antigen retrieval was performed in citrate buffer (pH 6.0). An accumulation of STX17-positive dots is detectable after starvation. Scale bar = 20  $\mu$ m.



## Publications

Martinet W, Roth L, De Meyer GRY. Standard Immunohistochemical Assays to Assess Autophagy in Mammalian Tissue Cells 2017-06-30 [PMID: 28665306] (IHC-P, Mouse)

Diao J, Liu R, Rong Y et al. ATG14 promotes membrane tethering and fusion of autophagosomes to endolysosomes. Nature 2015-04-23 [PMID: 25686604] (WB, Human)

Jiang P, Nishimura T, Sakamaki Y et al. The HOPS complex mediates autophagosome-lysosome fusion through interaction with syntaxin 17. Mol Biol Cell 2014-04-01 [PMID: 24554770] (IP, ICC/IF, WB, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-93968**

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NBP1-93968PEP	STX17 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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