

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 | |
|---------------------|--|
| 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 | Affinity purified |
| Buffer | PBS (pH 7.2) and 40% Glycerol |

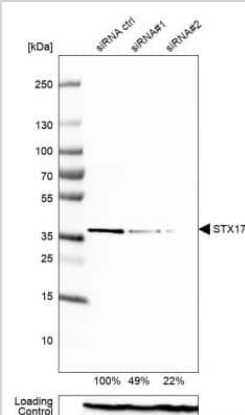
| Product Description | |
|---------------------|---|
| Host | Rabbit |
| Gene ID | 55014 |
| Gene Symbol | STX17 |
| Species | Human, Mouse |
| Reactivity Notes | Mouse reactivity reported in scientific literature (PMID: 28665306). Rat (86%). |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: RLEPAIQKFIKIVIPTDLERLRKHQINIEKYQRCRIWDKLHEEHINAGRTVQQRLRS NIREIEKLCLKVRKDDLVLKRMIDPVKEEASAATAEFLQLHLESVEELKKQFND EETLLQPPLTRSMTVGGAFHTTEAEASSQSLTQ |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockdown Validated |
| Recommended Dilutions | 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 |
| Application Notes | 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 Simple Western Antibody Database 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. |

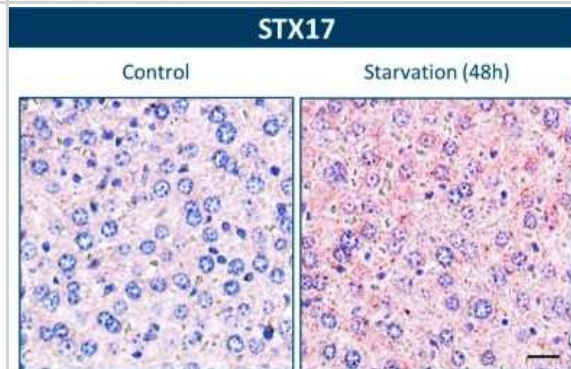


Images

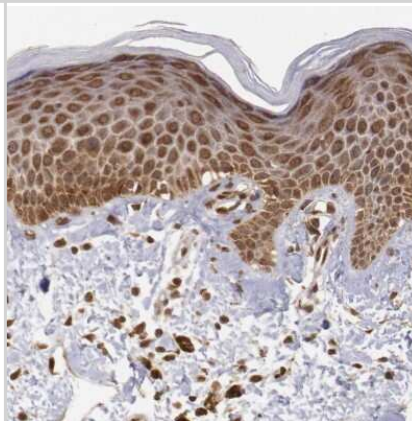
Western Blot: STX17 Antibody [NBP1-93968] - Analysis in A-431 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-STX17 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



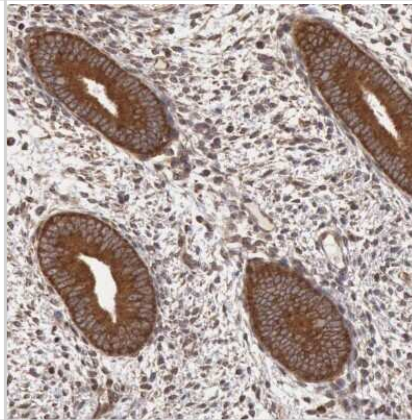
Immunohistochemistry: STX17 Antibody [NBP1-93968] - Immunohistochemical detection of STX17 in liver tissue. After fixation in neutral buffered formalin for 24 h, liver samples of wild type mice were paraffin-embedded and stained for STX17 using rabbit polyclonal anti-STX17 (Novus Biologicals, Littleton, 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 μ 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.



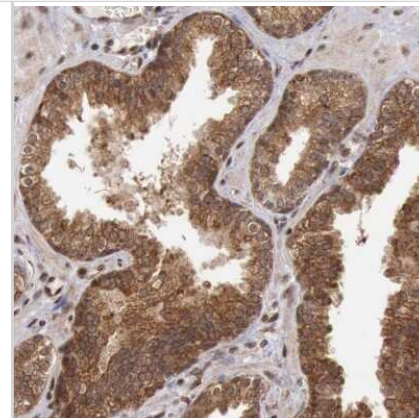
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human skin shows moderate cytoplasmic positivity in epidermal cells.



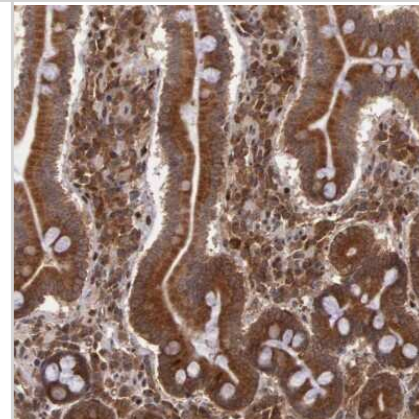
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human endometrium shows strong cytoplasmic positivity in glandular cells.



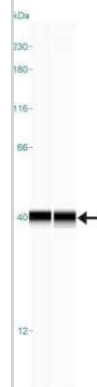
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human prostate shows moderate cytoplasmic positivity in glandular cells.



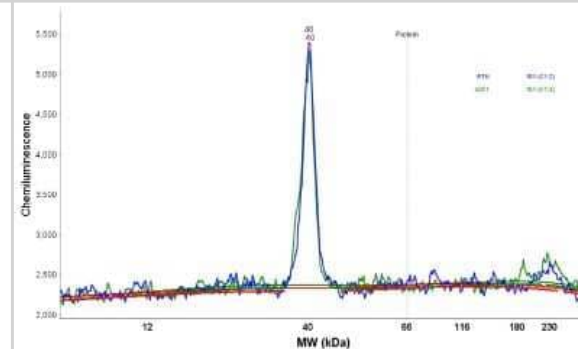
Immunohistochemistry-Paraffin: STX17 Antibody [NBP1-93968] - Immunohistochemical staining of human duodenum shows strong cytoplasmic positivity in glandular cells.



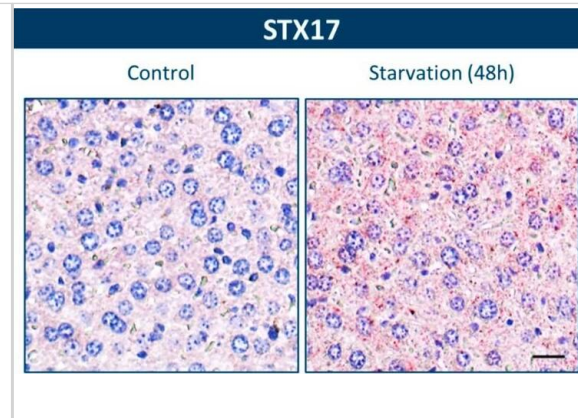
Simple Western: STX17 Antibody [NBP1-93968] - Simple Western lane view shows a specific band for STX17 in 0.2 mg/ml of RT-4 (left) and U-251MG sp (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



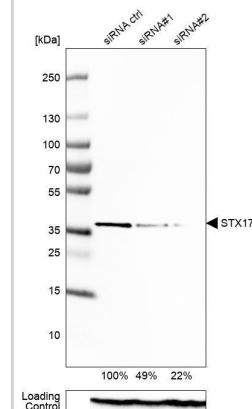
Simple Western: STX17 Antibody [NBP1-93968] - Electropherogram image(s) of corresponding Simple Western lane view. STX17 antibody was used at 1:30 dilution on RT-4 and U-251MG sp lysates(s).



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 μ m.



Analysis in A-431 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-PPIB.



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)



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Products Related to NBP1-93968

| | |
|---------------|---|
| 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 |

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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