

# Product Datasheet

## VAMP-7 Antibody - BSA Free NBP1-80709

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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**NBP1-80709**

VAMP-7 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  |

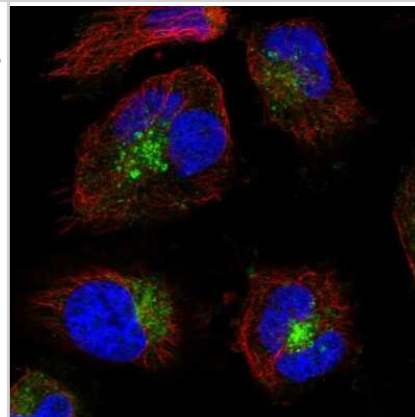
| Product Description     |  |
|-------------------------|--|
| <b>Host</b>             | Rabbit   |
| <b>Gene ID</b>          | 6845   |
| <b>Gene Symbol</b>      | VAMP7  |
| <b>Species</b>          | Human  |
| <b>Reactivity Notes</b> | Human reactivity reported in scientific literature (PMID: 24880616).   |
| <b>Immunogen</b>        | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>YAMNSEFSSVLAAQLKHHSENKGLDKVMETQAQVDELKGIMVRNIDLVAQRGE<br>RLELLIDKTENLDSSVTFKTTSRNLARAMCMKNL |

| Product Application Details  |   |
|------------------------------|---|
| <b>Applications</b>          | Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin  |
| <b>Recommended Dilutions</b> | Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200                               |
| <b>Application Notes</b>     | IHC reported in scientific literature (PMID: 24880616). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: PFA/Triton X-100. |

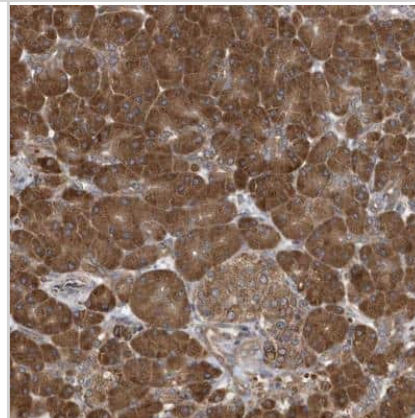


## Images

Immunocytochemistry/Immunofluorescence: VAMP-7 Antibody [NBP1-80709] - Immunofluorescent staining of human cell line U-251 MG shows localization to vesicles. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: VAMP-7 Antibody [NBP1-80709] - Staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.



## Publications

Hu X, Zhang R, Liang H et al. Comparison and Investigation of Exosomes from Human Amniotic Fluid Stem Cells and Human Breast Milk in Alleviating Neonatal Necrotizing Enterocolitis Stem cell reviews and reports 2022-11-16 [PMID: 36385400] (IHC-P, Mouse)

Details:

Dilution used in IHC-P 1:2000

Hallam RD, Buchner-Duby B, Stykel MG et al. Intracellular Accumulation of  $\alpha$ -Synuclein Aggregates Promotes S-Nitrosylation of MAP1A Leading to Decreased NMDAR-Evoked Calcium Influx and Loss of Mature Synaptic Spines The Journal of neuroscience : the official journal of the Society for Neuroscience 2022-11-11 [PMID: 36414406]

Tannour-Louet M, Han S, Louet JF et al. Increased gene copy number of the vesicle SNARE VAMP7 disrupts human male urogenital development through altered estrogen action. Nat Med 2014-07-01 [PMID: 24880616] (IF/IHC, Human)



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### **Products Related to NBP1-80709**

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|               |   |
|---------------|---|
| NBP1-80709PEP | VAMP-7 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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