

Product Datasheet

Hornerin Antibody - BSA Free NBP1-80807

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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NBP1-80807

Hornerin Antibody - BSA Free

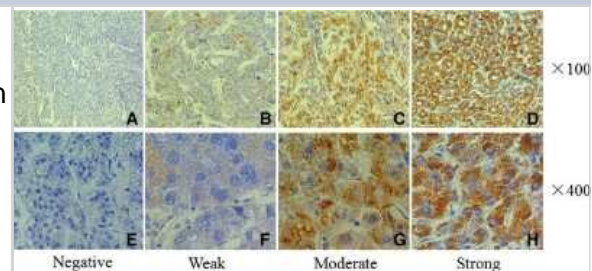
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| 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 | 388697 |
| Gene Symbol | HRNR |
| Species | Human |
| Immunogen | This antibody was developed against Recombinant Protein corresponding to amino acids: WSAGENDSYSRNVRGSLKPGTESISRRLSFQRDFSGQHNSYSGQSSSYGEQ NSDSHQSSGRGQCGSGS |

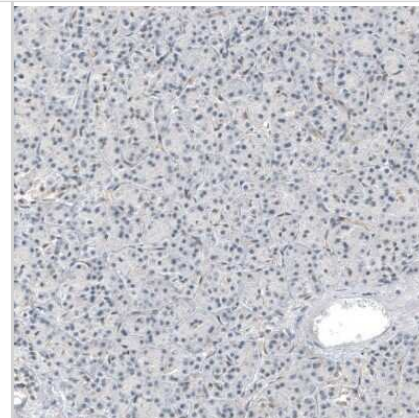
| Product Application Details | |
|-----------------------------|---|
| Applications | Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated |
| Recommended Dilutions | Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000, Knockdown Validated |
| Application Notes | For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation/Permeabilization: PFA/Triton X-100. |

Images

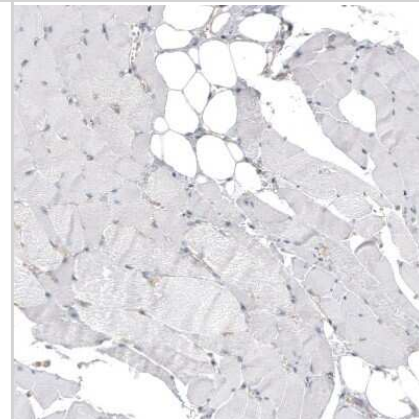
Immunohistochemistry: Hornerin Antibody [NBP1-80807] - Hornerin overexpression in human HCC tumor tissues. Immunohistochemistry of Hornerin expression in hepatocellular carcinoma (HCC) tissues. Hornerin expression in the cytoplasm and membrane is scored as negative (a, e), weak (b, f), moderate (c, g), and strong (d, h). Original magnification, x 100 (a-d); x 400 (e-h) Image collected and cropped by CiteAb from the following publication (<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-018-4719-5>), licensed under a CC-BY license.



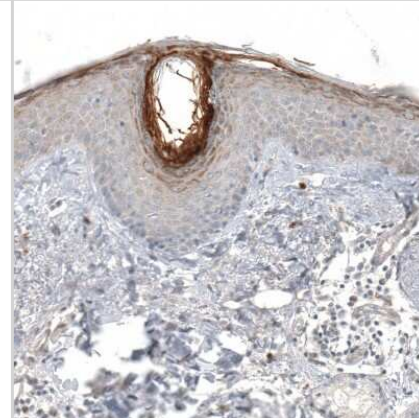
Immunohistochemistry-Paraffin: Hornerin Antibody [NBP1-80807] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



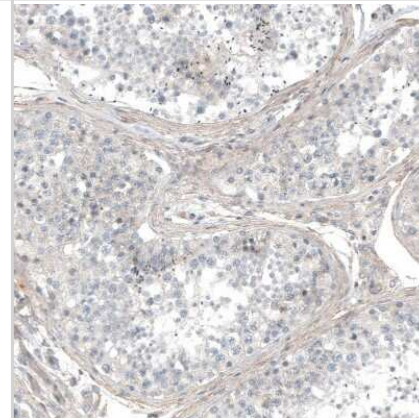
Immunohistochemistry-Paraffin: Hornerin Antibody [NBP1-80807] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: Hornerin Antibody [NBP1-80807] - Staining of human skin shows moderate to strong cytoplasmic granular positivity in the cornified layer.



Immunohistochemistry-Paraffin: Hornerin Antibody [NBP1-80807] - Staining of human testis shows weak positivity in peritubular myoid cells.



Publications

Song H, Kim EH, Hong J et al. Hornerin mediates phosphorylation of the polo-box domain in Plk1 by Chk1 to induce death in mitosis *Cell Death & Differentiation* 2023-08-18 [PMID: 37596441] (Immunohistochemistry, Western Blot, Immunocytochemistry/ Immunofluorescence, Human)

Atsushi F, Tomoko S, Mihoko Y et al. Chloroquine is a safe autophagy inhibitor for sustaining the expression of antioxidant enzymes in trophoblasts *Journal of Reproductive Immunology* 2022-11-01 [PMID: 36470134]

Villalobos-Labra R, Liu R, Spaans F et al. Placenta-Derived Extracellular Vesicles from Preeclamptic and Healthy Pregnancies Impair ex vivo Vascular Endothelial Function *Bioscience reports* 2022-11-21 [PMID: 36408626]

Fu SJ, Shen SL, Li SQ et al. Hornerin promotes tumor progression and is associated with poor prognosis in hepatocellular carcinoma *BMC Cancer* 2018-08-13 [PMID: 30103712] (IF/IHC, Human)

Choi J, Kim DI, Kim J et al. Hornerin Is Involved in Breast Cancer Progression *J Breast Cancer* 2016-06-01 [PMID: 27382389] (IF/IHC)

Fleming JM, Ginsburg E, Oliver SD et al. Hornerin, an S100 family protein, is functional in breast cells and aberrantly expressed in breast cancer *BMC Cancer* 2012-06-22 [PMID: 22727333] (ICC/IF, WB, IF/IHC, Human)





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Products Related to NBP1-80807

| | |
|---------------|---|
| NBP1-80807PEP | Hornerin 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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