

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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Publications: 6

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Updated 12/11/2025 v.20.1

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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

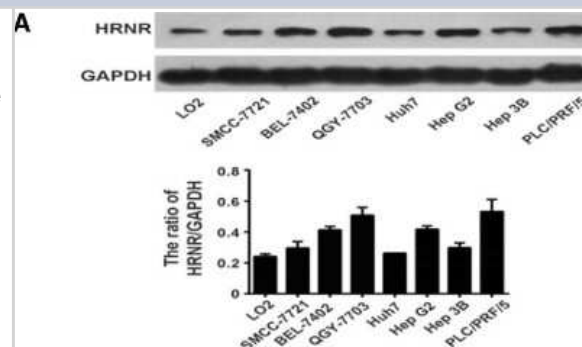
Description	Novus Biologicals Rabbit Hornerin Antibody - BSA Free (NBP1-80807) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Hornerin Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	388697
Gene Symbol	HRNR
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: WSAGENDSYSRNVRGSLKPGTESISRRLSFQRDFSGQHNSYSGQSSSYGEQ NSDSHQSSGRGQCGSGS

Product Application Details

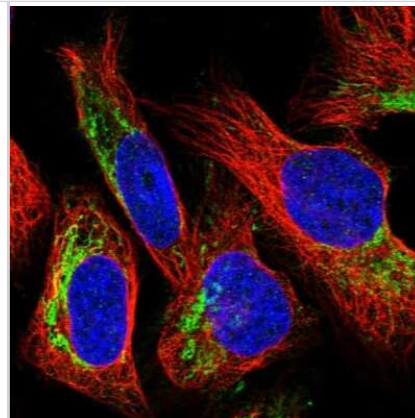
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot Reported in (PMID: 22727333), Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 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

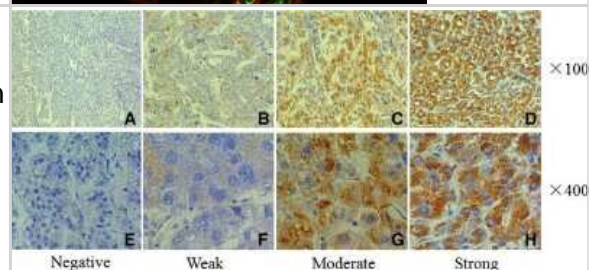
Western Blot: Hornerin Antibody [NBP1-80807] - Hornerin expression in HCC cell lines. Western blot analysis of Hornerin expression levels in a panel of HCC cell lines. Image collected and cropped by CiteAb from the following publication (<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-018-4719-5>), licensed under a CC-BY license.



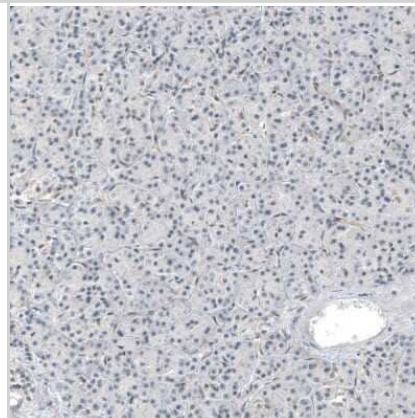
Immunocytochemistry/Immunofluorescence: Hornerin Antibody [NBP1-80807] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



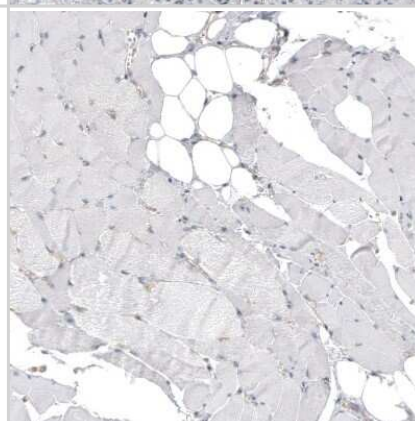
Immunohistochemistry: Hornerin Antibody [NBP1-80807] - Hornerin overexpression in human HCC tumor tissues. Immunohistochemistry of Hornerin expression in hepatocellular carcinoma (HCC) tissues. Hornerin expression in the cytoplasm and membrane is scored as negative (a, e), weak (b, f), moderate (c, g), 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.



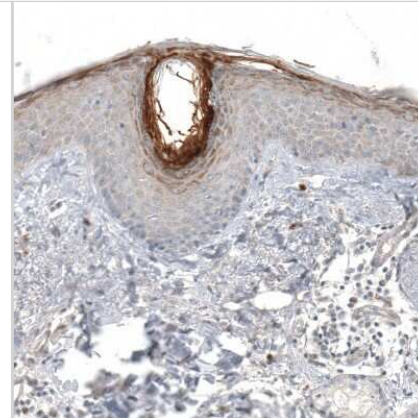
Immunohistochemistry-Paraffin: Hornerin Antibody [NBP1-80807] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



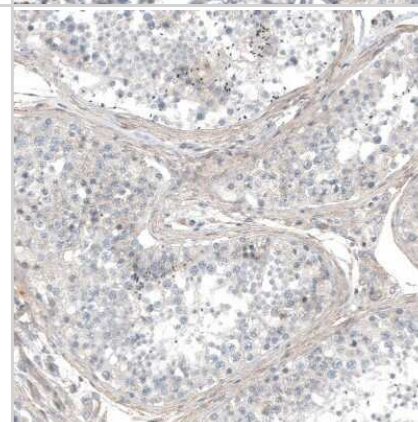
Immunohistochemistry-Paraffin: Hornerin Antibody [NBP1-80807] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



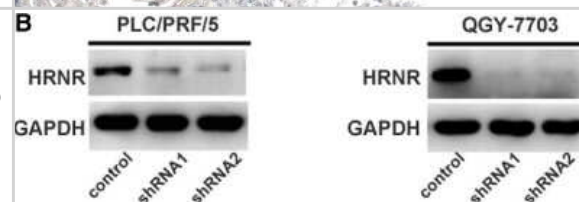
Immunohistochemistry-Paraffin: Hornerin Antibody [NBP1-80807] - Staining of human skin shows moderate to strong cytoplasmic granular positivity in the cornified layer.



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



Western Blot: Hornerin Antibody [NBP1-80807] - Hornerin expression in HCC cell lines. RNR shRNAs inhibited the expression of Hornerin in PLC/PRF/5 and QGY-7703 cells 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.



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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