

# Product Datasheet

## HCA59 Antibody - BSA Free

### NBP1-83168

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 1

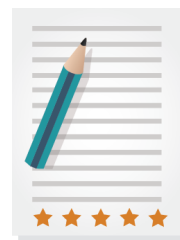
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
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**NBP1-83168**

HCA59 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                                                                                    |

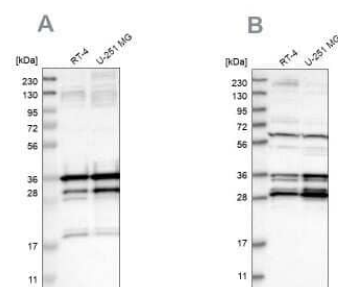
| Product Description |                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit HCA59 Antibody - BSA Free (NBP1-83168) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-HCA59 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                                                             |
| Gene ID             | 51759                                                                                                                                                                                                                                              |
| Gene Symbol         | C9ORF78                                                                                                                                                                                                                                            |
| Species             | Human, Mouse, Rat                                                                                                                                                                                                                                  |
| Reactivity Notes    | Reactivity reported in scientific literature (PMID: 23276153)                                                                                                                                                                                      |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>MPVVRKIFRRRRRGDSESEDEQDSEEVRLKLEETREVQNLRKRPNGVSAVALL<br>VGEKVQEETTLVDDPFQMKTGGMVDMKKLKE                                                                  |

| Product Application Details |                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated                                                          |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended.<br>Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.                                        |

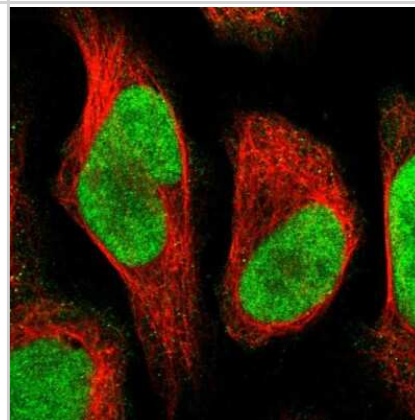


## Images

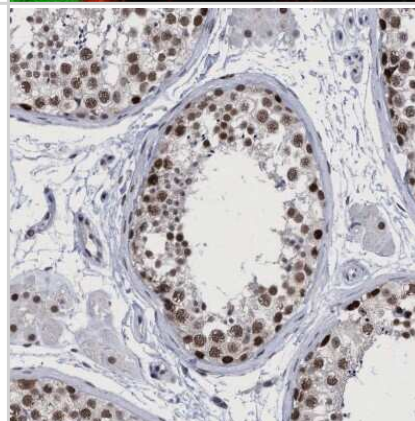
Western Blot: HCA59 Antibody [NBP1-83168] - Analysis using Anti-C9orf78 antibody NBP1-83168 (A) shows similar pattern to independent antibody NBP1-83170 (B).



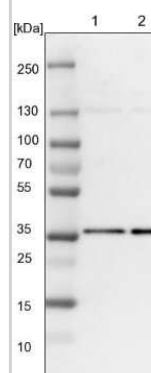
Immunocytochemistry/Immunofluorescence: HCA59 Antibody [NBP1-83168] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleoplasm.



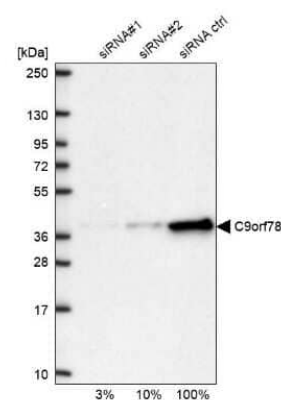
Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



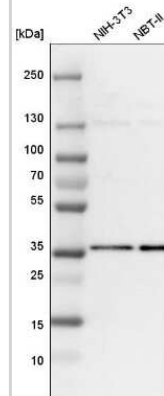
Western Blot: HCA59 Antibody [NBP1-83168] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



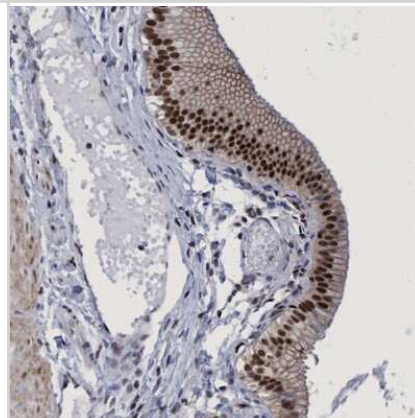
Western Blot: HCA59 Antibody [NBP1-83168] - Analysis in U2OS cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-C9orf78 antibody. Remaining relative intensity is presented.



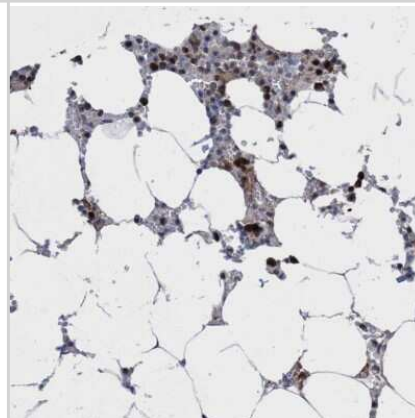
Western Blot: HCA59 Antibody [NBP1-83168] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



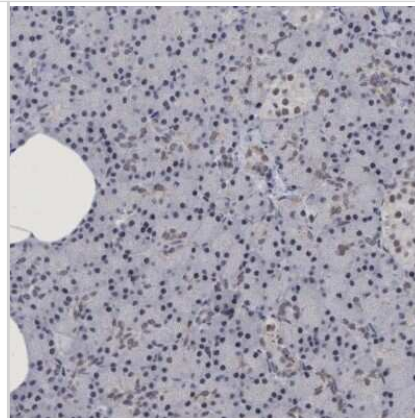
Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human gall bladder shows strong nuclear positivity in glandular cells.



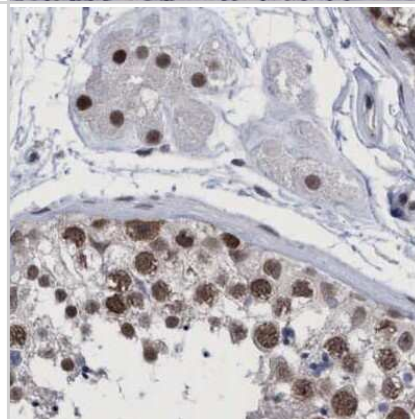
Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human bone marrow shows high expression.



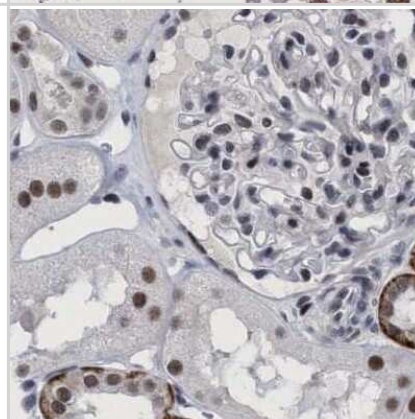
Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human pancreas shows low expression as expected.



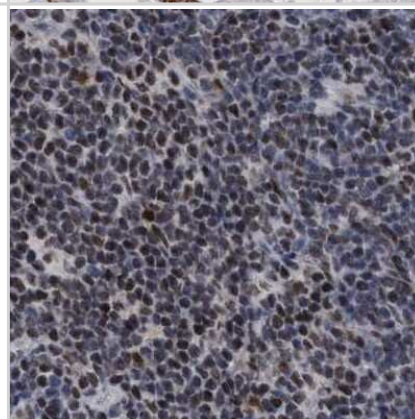
Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human testis.



Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human kidney.

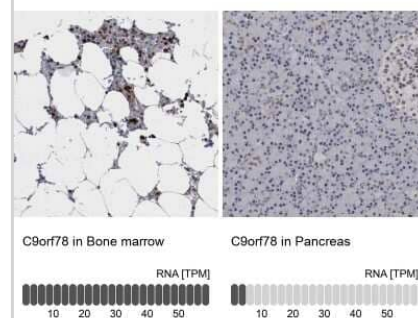


Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human lymph node.

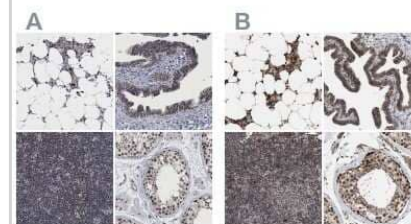




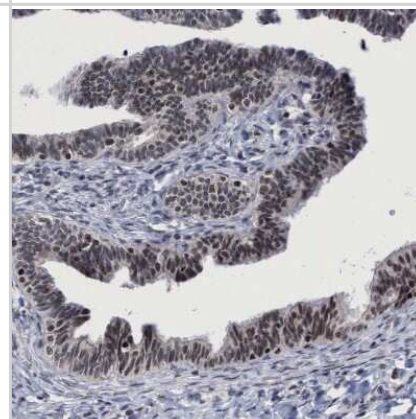
Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Analysis in human bone marrow and pancreas tissues. Corresponding HCA59 RNA-seq data are presented for the same tissues.



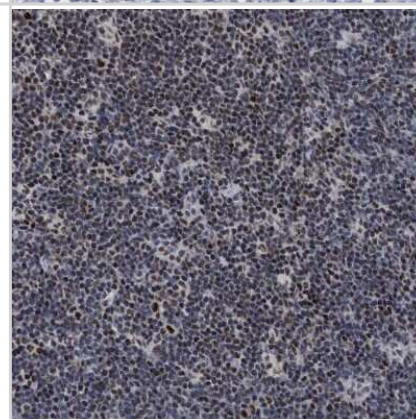
Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human bone marrow, fallopian tube, lymph node and testis using Anti-HCA59 antibody NBP1-83168 (A) shows similar protein distribution across tissues to independent antibody NBP1-83170 (B).



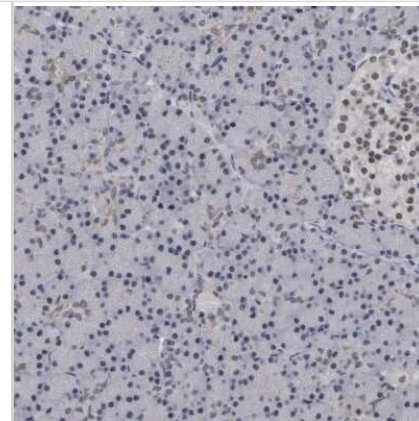
Immunohistochemistry: HCA59 Antibody [NBP1-83168] - Staining of human Fallopian tube shows moderate nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human lymph node shows strong nuclear positivity in non-germinal center cells.



Immunohistochemistry-Paraffin: HCA59 Antibody [NBP1-83168] - Staining of human pancreas shows very weak positivity in exocrine glandular cells as expected.



## Publications

Fagerberg L, Oksvold P, Skogs M et al. Contribution of antibody-based protein profiling to the human Chromosome-centric Proteome Project (C-HPP). J Proteome Res 2013-06-07 [PMID: 23276153]



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### **Products Related to NBP1-83168**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP1-83168PEP | HCA59 Recombinant Protein Antigen                   |
| NBP2-33376H   | Blue Marker Antibody (6F4-F6) [HRP]                 |
| 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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