

# Product Datasheet

## E-Cadherin Antibody (CL1170) - BSA Free NBP2-34475

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)



[technical@novusbio.com](mailto:technical@novusbio.com)

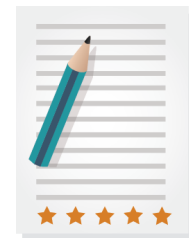
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Updated 2/27/2025 v.20.1

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**NBP2-34475**

E-Cadherin Antibody (CL1170) - BSA Free

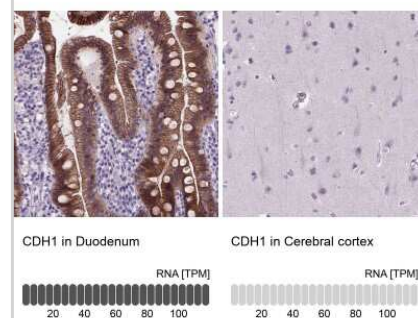
| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 ml   |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| Clonality           | Monoclonal   |
| Clone               | CL1170   |
| Preservative        | 0.02% Sodium Azide   |
| Isotype             | IgG2b  |
| Purity              | Protein A purified   |
| Buffer              | PBS (pH 7.2) and 40% Glycerol  |

| Product Description |   |
|---------------------|---|
| Host                | Mouse   |
| Gene ID             | 999   |
| Gene Symbol         | CDH1  |
| Species             | Human   |
| Reactivity Notes    | Rat (80%).  |
| Immunogen           | This antibody was developed using a recombinant protein derived from P12830, with the exact immunogen sequence remaining proprietary. |

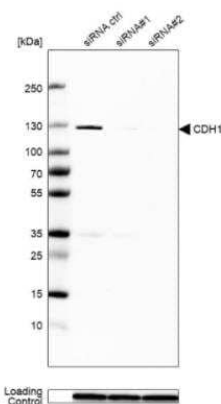
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated  |
| Recommended Dilutions       | Western Blot 1 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended. For ICC/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.   |

**Images**

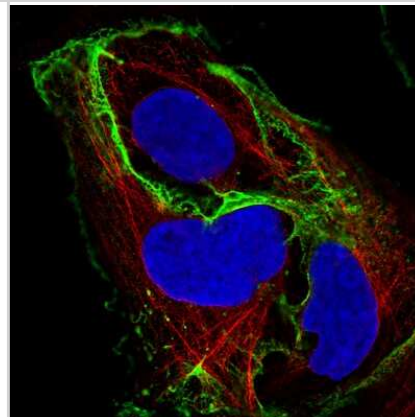
Immunohistochemistry-Paraffin: E-Cadherin Antibody (CL1170) [NBP2-34475] - Staining in human duodenum and cerebral cortex tissues. Corresponding CDH1 RNA-seq data are presented for the same tissues.



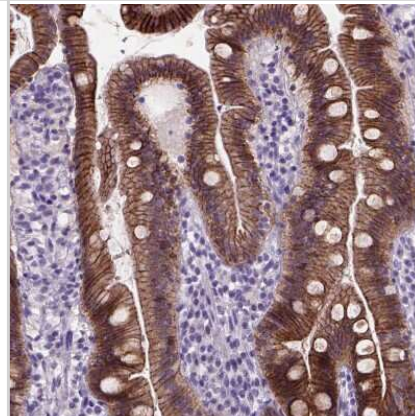
Western Blot: E-Cadherin Antibody (CL1170) [NBP2-34475] - Analysis in MCF-7 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-CDH1 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH



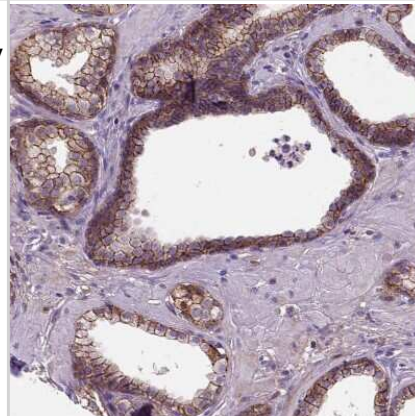
Immunocytochemistry/Immunofluorescence: E-Cadherin Antibody (CL1170) [NBP2-34475] - Staining of BEWO cells using the Anti-CDH1 monoclonal antibody, showing specific staining in the plasma membrane and cell junctions in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



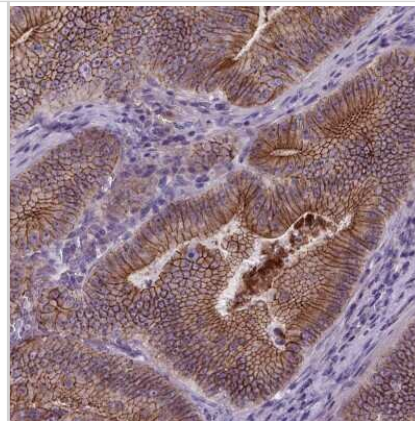
Immunohistochemistry-Paraffin: E-Cadherin Antibody (CL1170) [NBP2-34475] - Staining of human duodenum shows strong membranous positivity in glandular cells.



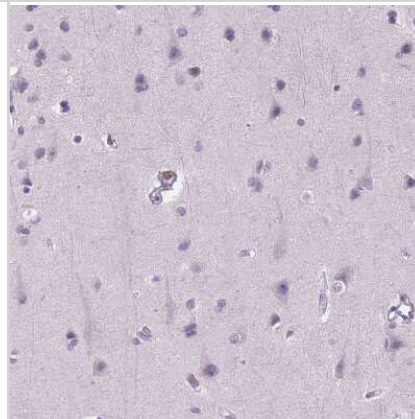
Immunohistochemistry-Paraffin: E-Cadherin Antibody (CL1170) [NBP2-34475] - Staining of human prostate shows strong membranous positivity in glandular cells.



Immunohistochemistry-Paraffin: E-Cadherin Antibody (CL1170) [NBP2-34475] - Staining of human colorectal cancer shows moderate to strong membranous positivity in tumor cells.



Immunohistochemistry-Paraffin: E-Cadherin Antibody (CL1170) [NBP2-34475] - Staining of human cerebral cortex shows no positivity in neuronal cells as expected.





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### **Products Related to NBP2-34475**

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|               |   |
|---------------|---|
| NBP2-34475PEP | E-Cadherin Recombinant Protein Antigen                  |
| HAF007        | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B       | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP2-27231    | Mouse IgG2b Isotype Control (MPC-11)                    |

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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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