

# N-Cadherin Recombinant Monoclonal Antibody [BLR097G]

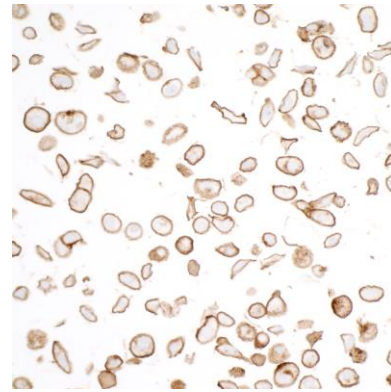
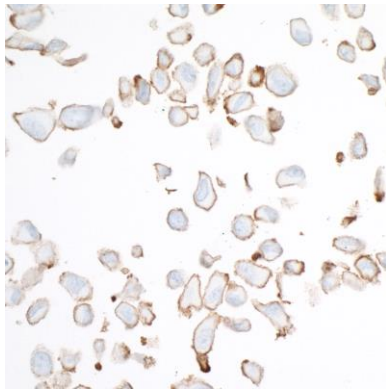
Rabbit Recombinant Monoclonal

Purified Protein ID NP\_001783.2  
Catalog No. A700-097-T GeneID 1000  
Lot No. A700-097-T-1



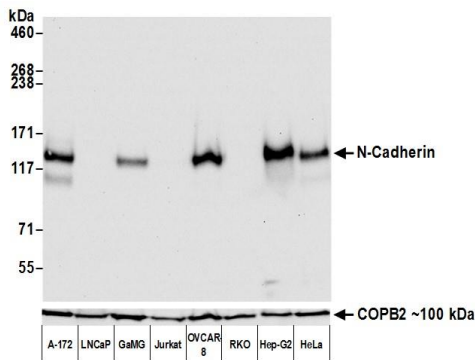
<b>APPLICATIONS</b>	WB, IP, ICC
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>AMOUNT</b>	10 µl (5+ tests)
<b>CONCENTRATION</b>	500 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>CLONE #</b>	BLR097G
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Recombinant antibody was purified from cell culture supernatant.  Immunogen was a recombinant protein representing the extracellular domain of human N-Cadherin (Cadherin-2, residues 160–724, NP_001783.2).
<b>APPLICATIONS</b>	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.  Western Blot 1:1000 Immunoprecipitation 12 µl/1 mg lysate Immunocytochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
<b>IHC HUMAN CONTROLS</b>	A-172 Cells, NCI-H226 Cells, PANC-1 Cells, U-251MG Cells
<b>ADDITIONAL INFO</b>	<a href="https://www.bethyl.com/product/A700-097-T">https://www.bethyl.com/product/A700-097-T</a> Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: November 14, 2019



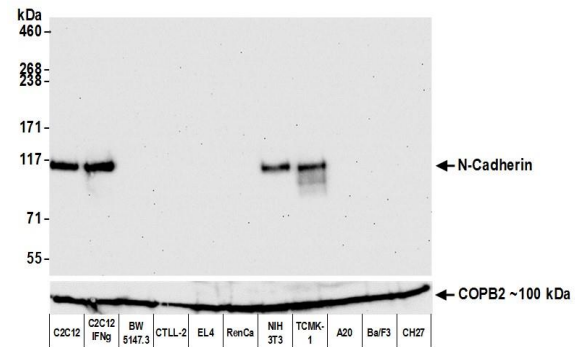
**Detection of human N-Cadherin in FFPE A-172 cells by ICC.** *Antibody:* Rabbit anti-N-Cadherin recombinant monoclonal antibody [BLR097G] (A700-097-T lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.

**Detection of human N-Cadherin in FFPE NCI-H226 cells by ICC.** *Antibody:* Rabbit anti-N-Cadherin recombinant monoclonal antibody [BLR097G] (A700-097-T lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



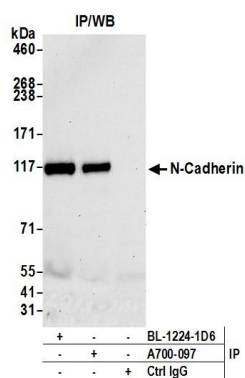
**Detection of human N-Cadherin by western blot.**

*Samples:* Whole cell lysate (50 µg) from A-172, LNCaP, GaMG, Jurkat, OVCAR-8, RKO, Hep-G2, and HeLa cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-N-Cadherin recombinant monoclonal antibody [BLR097G] (A700-097-T lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



**Detection of mouse N-Cadherin by western blot.**

*Samples:* Whole cell lysate (50 µg) from C2C12, C2C12 treated with IFNgamma, BW5147.3, CTLL-2, EL4, RenCa, NIH 3T3, TCMK-1, A20, Ba/F3, and CH27 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-N-Cadherin recombinant monoclonal antibody [BLR097G] (A700-097-T lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



**Detection of human N-Cadherin by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-N-Cadherin recombinant monoclonal antibody [BLR097G] (A700-097-T lot 1) used for IP at 12  $\mu$ l per reaction. N-Cadherin was also immunoprecipitated by rabbit anti-N-Cadherin antibody BL-1224-1D6. For blotting immunoprecipitated N-Cadherin, A700-097-T was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.