

N-Cadherin Recombinant Antibody | CDH2 recombinant antibody

Rabbit anti-N-Cadherin Recombinant Monoclonal Antibody [BLR097G]

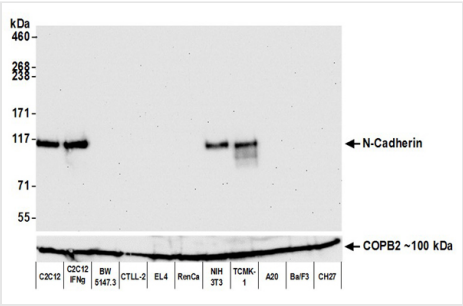
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23831	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

N-Cadherin; Monoclonal Recombinant Antibody; Rabbit anti-N-Cadherin Recombinant Monoclonal Antibody [BLR097G]; cadherin-2; N-cadherin 1; N-cadherin; NCAD; CDw325; CDHN; CD325; calcium-dependent adhesion protein; neuronal; neural cadherin; cadherin 2; type 1; N-cadherin (neuronal); CD antigen CD325; Cadherin-2; CDH2 recombinant antibody

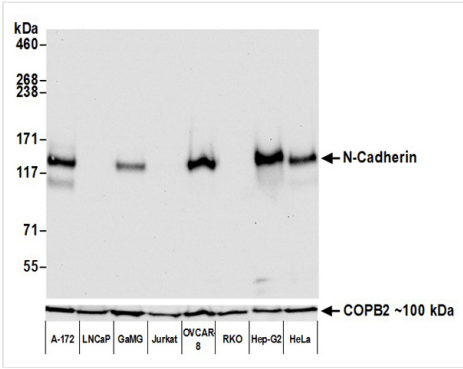
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR097G
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	500ug/ml (varies by lot)
Applicable Applications for CDH2 recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IP: 12 ul/mg lysate ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. FC/FACS: Live and cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 ul per 1 x 10 ⁶ cells.
Immunogen	Residues 160-724 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



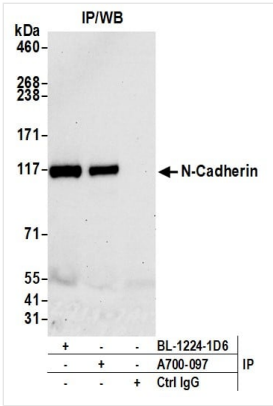
WB (Western Blot)

Detection of mouse N-Cadherin by western blot. Samples: Whole cell lysate (50 ug) from C2C12, C2C12 treated with IFNγ, 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 (AAA23831 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



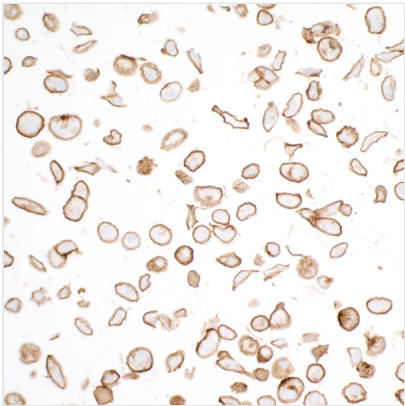
WB (Western Blot)

Detection of human N-Cadherin by western blot. Samples: Whole cell lysate (50 ug) 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 (AAA23831 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



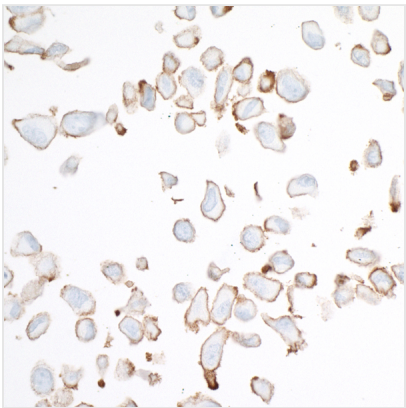
IP (Immunoprecipitation)

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 (AAA23831 lot 1) used for IP at 12 ul per reaction. N-Cadherin was also immunoprecipitated by rabbit anti-N-Cadherin antibody BL-1224-1D6. For blotting immunoprecipitated N-Cadherin, AAA23831 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 10 seconds.



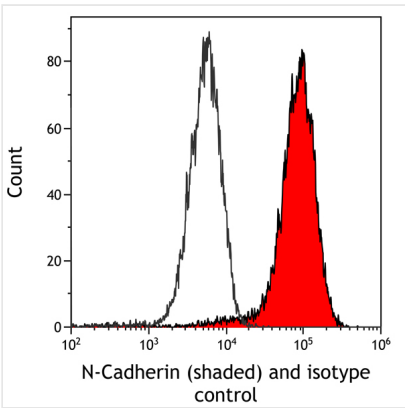
ICC (Immunocytochemistry)

Detection of human N-Cadherin in FFPE NCI-H226 cells by ICC. Antibody: Rabbit anti-N-Cadherin recombinant monoclonal antibody (AAA23831 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



ICC (Immunocytochemistry)

Detection of human N-Cadherin in FFPE A-172 cells by ICC. Antibody: Rabbit anti-N-Cadherin recombinant monoclonal antibody (AAA23831 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



FCM (Flow Cytometry)

Detection of human N-Cadherin (shaded) in HeLa cells by flow cytometry. Antibody: Rabbit anti-N-Cadherin recombinant monoclonal antibody (AAA23831) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CDH2 recombinant antibody	N-Cadherin, or Cadherin-2, is a classical cadherin and member of the cadherin superfamily. N-Cadherin is a calcium-dependent cell adhesion molecule that plays a role in the establishment of left-right asymmetry, development of the nervous system and the formation of cartilage and bone. [taken from NCBI Entrez Gene (Gene ID: 1000)].
Product Categories/Family for CDH2 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	14589889
NCBI GeneID	1000
NCBI Accession #	NP_001783.2
NCBI GenBank Nucleotide #	NM_001792.3
UniProt Accession #	P19022; Q14923; Q8N173; B0YIY6
Molecular Weight	99,809 Da
NCBI Official Full Name	cadherin-2 preproprotein
NCBI Official Synonym Full Names	cadherin 2, type 1, N-cadherin (neuronal)
NCBI Official Symbol	CDH2
NCBI Official Synonym Symbols	CDHN; NCAD; CD325; CDw325
NCBI Protein Information	cadherin-2; N-cadherin 1; neural cadherin; neural-cadherin; cadherin 2, N-cadherin (neuronal); calcium-dependent adhesion protein, neuronal
UniProt Protein Name	Cadherin-2
UniProt Gene Name	CDH2
UniProt Synonym Gene Names	CDHN; NCAD; N-cadherin
UniProt Entry Name	CADH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/n-cadherin-recombinant-antibody-clone-blr097g-western-blot-immunoprecipitation-immunocytochemistry-flow-cytometry-elisa/23831>