

E-Cadherin Recombinant Antibody | CDH1 recombinant antibody

Rabbit anti-E-Cadherin Recombinant Monoclonal Antibody [BLR088G]

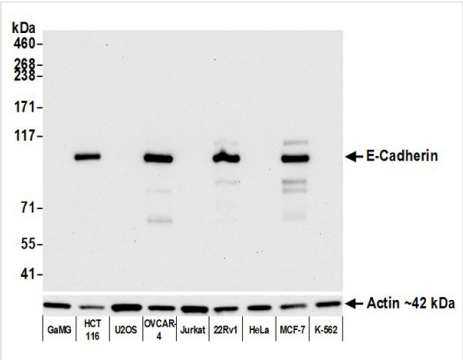
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23828	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

E-Cadherin; Monoclonal Recombinant Antibody; Rabbit anti-E-Cadherin Recombinant Monoclonal Antibody [BLR088G]; LCAM; CDHE; UVO; epithelial cadherin; epididymis secretory sperm binding protein; E-cadherin 1; E-cadherin; ECAD; cell-CAM 120/80; CD antigen CD324; CAM 120/80; calcium-dependent adhesion protein; epithelial; cadherin-1; cadherin 1; type 1; E-cadherin (epithelial); Arc-1; BCDS1; uvomorulin; CD324; Cadherin-1; CDH1 recombinant antibody

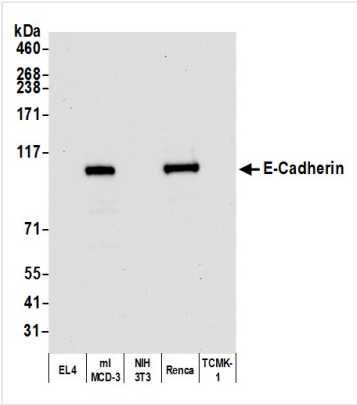
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR088G
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	250ug/ml (varies by lot)
Applicable Applications for CDH1 recombinant antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IP: 20 ul/mg lysate IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. IHC-IF: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. FC/FACS: Live or cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 0.1 ul per 1 x 10 ⁶ cells.
Immunogen	Residues 155-707 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



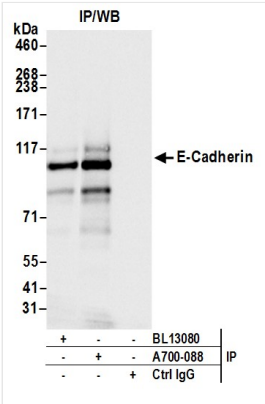
WB (Western Blot)

Detection of human E-Cadherin by western blot. Samples: Whole cell lysate (5 ug) from GaMG, HCT 116, U2OS, OVCAR-4, Jurkat, 22Rv1, HeLa, MCF-7, and K-562 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-E-Cadherin recombinant monoclonal antibody (AAA23828 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-Actin recombinant monoclonal antibody .



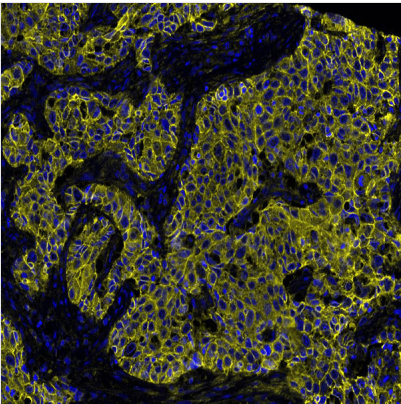
WB (Western Blot)

Detection of mouse E-Cadherin by western blot. Samples: Whole cell lysate (5 ug) from EL4, m1MCD-3, NIH 3T3, Renca, and TCMK-1 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-E-Cadherin recombinant monoclonal antibody (AAA23828 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 10 seconds.



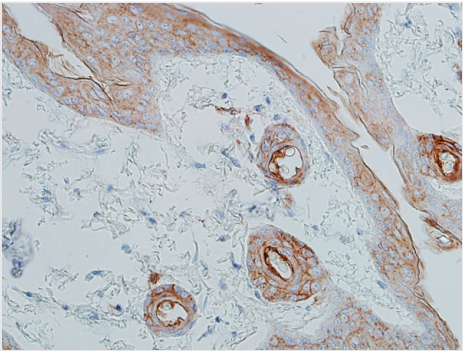
IP (Immunoprecipitation)

Detection of human E-Cadherin by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from MCF-7 cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-E-Cadherin recombinant monoclonal antibody (AAA23828 lot 1) used for IP at 20 ul/mg lysate. E-Cadherin was also immunoprecipitated by rabbit anti-E-Cadherin antibody (BL13080). For blotting immunoprecipitated E-Cadherin, AAA23828 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 1 second.



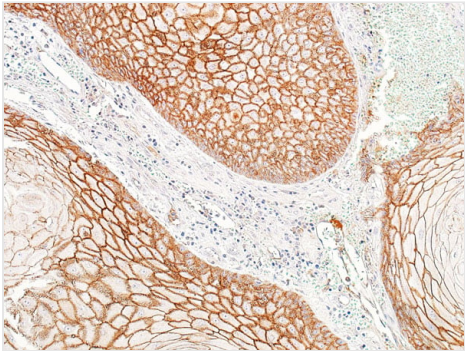
IHC (Immunohistochemistry)

Detection of human E-Cadherin in FFPE lung carcinoma by immunohistochemistry-IF. Antibody: Rabbit anti-E-Cadherin recombinant monoclonal antibody (AAA23828 Lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: Opal. Counterstain: DAPI.



IHC (Immunohistochemistry)

Detection of mouse E-Cadherin in FFPE skin by IHC. Antibody: Rabbit anti-E-Cadherin recombinant monoclonal antibody (AAA23828 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



IHC (Immunohistochemistry)

Detection of human E-Cadherin in FFPE squamous cell carcinoma by IHC. Antibody: Rabbit anti-E-Cadherin recombinant monoclonal antibody (AAA23828 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.

ADDITIONAL INFORMATION

Related Product Information for CDH1 recombinant antibody	Cadherins are calcium-dependent cell adhesion proteins that preferentially interact with themselves in a homophilic manner in adjacent cells. E-Cadherin, or Cadherin-1, is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells and has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P12830].
Product Categories/Family for CDH1 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757960
NCBI GeneID	999
NCBI Accession #	NP_004351.1
NCBI GenBank Nucleotide #	NM_004360.3
UniProt Accession #	P12830; Q13799; Q14216; Q15855; Q16194; Q4PJ14; A8K1U7
Molecular Weight	97,456 Da
NCBI Official Full Name	cadherin-1 preproprotein
NCBI Official Synonym Full Names	cadherin 1, type 1, E-cadherin (epithelial)
NCBI Official Symbol	CDH1
NCBI Official Synonym Symbols	UVO; CDHE; ECAD; LCAM; Arc-1; CD324
NCBI Protein Information	cadherin-1; CAM 120/80; E-Cadherin; uvomorulin; cell-CAM 120/80; epithelial cadherin; cadherin 1, E-cadherin (epithelial); calcium-dependent adhesion protein, epithelial
UniProt Protein Name	Cadherin-1
UniProt Gene Name	CDH1
UniProt Synonym Gene Names	CDHE; UVO; E-cadherin
UniProt Entry Name	CADH1_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/e-cadherin-recombinant-antibody-clone-blr088g-western-blot-immunoprecipitation-immunohistochemistry-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/23828>