VE-Cadherin Recombinant Monoclonal Antibody [BLR091G]

Rabbit Recombinant Monoclonal

Purified		RefSeq ID	NP_001786.2
Catalog No.	A700-091-T	Uniprot ID	P33151
Lot No.	1	GeneID	1003

APPLICATIONS WB, IP, IHC, ICC, IHC-IF

SPECIES REACTIVITY Human

AMOUNT 10 µl (5+ tests)

CONCENTRATION 1000 µg/ml

STORAGE/SHELF LIFE 2 - 8°C / 1 year from date of receipt

PHYSICAL STATE Liquid

BUFFER Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free

ISOTYPE IgG

CLONE # BLR091G

ORIGIN USA

PRODUCTION PROCEDURES Recombinant antibody was purified from cell culture supernatant.

Immunogen was a recombinant protein representing the extracellular domain of human VE-Cadherin (residues 48-599, NP_001786.2).

APPLICATIONS 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	6 µl/mg lysate
Immunohistochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunocytochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
Immunofluorescence (IHC)	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight.

Western blots of cell lysates are performed using Goat anti-Rabbit IgG Heavy and Light Chain Antibody (Cat. No. A120-101P).

Western blots of immunoprecipitates are performed using Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) with 5% Normal Pig Serum (Cat. No. S100-020) added to the blocking buffer.

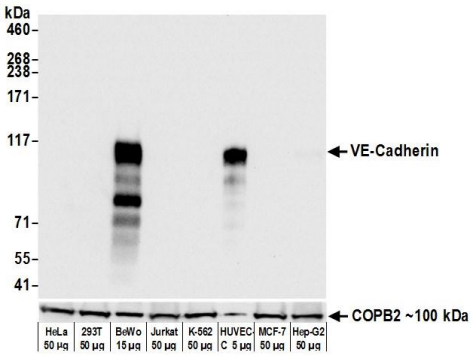
IHC HUMAN CONTROLS Breast Carcinoma, Prostate Carcinoma, Renal Cell Carcinoma, BeWo Cells, HUVEC-C Cells

ADDITIONAL INFO https://www.fortislife.com/p/A700-091-T

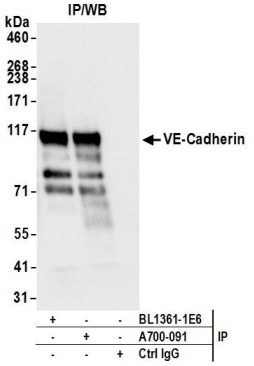
Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

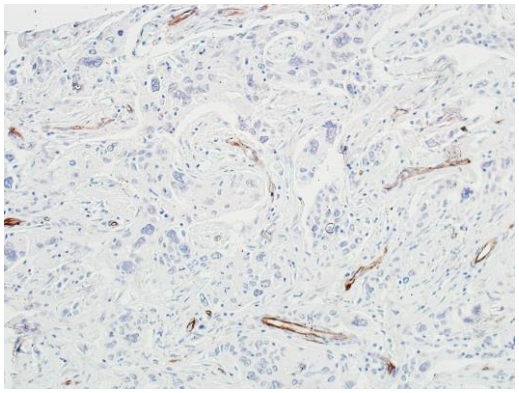
Michael Spencer, PhD Date: January 8, 2024



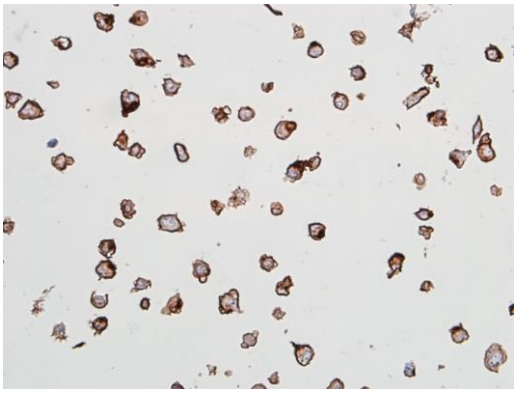
Detection of human VE-Cadherin by western blot. *Samples:* Whole cell lysate from HeLa, HEK293T, BeWo, Jurkat, K-562, HUVEC-C, MCF-7, and Hep-G2 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-VE-Cadherin recombinant monoclonal antibody [BLR091G] (A700-091 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Detection:* Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-COPB2 (A304-523A).



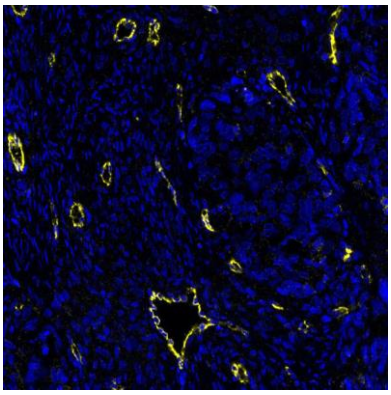
Detection of human VE-Cadherin by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from BeWo cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-VE-Cadherin recombinant monoclonal antibody [BLR091G] (A700-091 lot 1) used for IP at 6 µl per reaction. VE-Cadherin was also immunoprecipitated by rabbit anti-VE-Cadherin recombinant monoclonal antibody (BL1361-1E6). For blotting immunoprecipitated VE-Cadherin, A700-091 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human VE-Cadherin in FFPE breast carcinoma by IHC. *Antibody:* Rabbit anti-VE-Cadherin recombinant monoclonal antibody [BLR091G] (A700-091 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



Detection of human VE-Cadherin in FFPE HUVEC-C cells by ICC. *Antibody:* Rabbit anti-VE-Cadherin recombinant monoclonal antibody [BLR091G] (A700-091 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



Detection of human VE-Cadherin in FFPE ovarian carcinoma by immunohistochemistry-IF. *Antibody:* Rabbit anti-VE-Cadherin recombinant monoclonal antibody [BLR091G] (A700-091 Lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* Opal™. Counterstain: DAPI.