

Rabbit anti-Human CD144 Polyclonal Antibody | anti-CD144 antibody

CD144 antibody

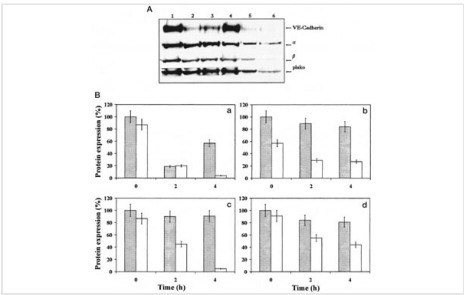
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74966	Rabbit	Human	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

CD144; Polyclonal Antibody; CD144 antibody; Polyclonal CD144; Anti-CD144; CD 144; CD-144; VE-Cadherin; anti-CD144 antibody

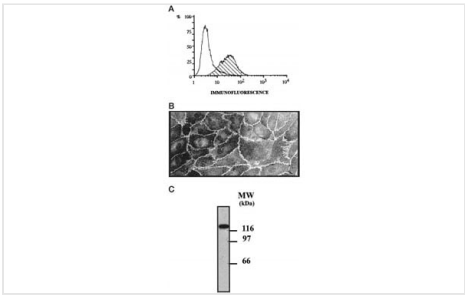
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human
Purity/Purification	CD144 antibody was purified by affinity chromatography.
Form/Format	Purified IgG supplied in PBS.
Applicable Applications for anti-CD144 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Biological Significance	VE-Cadherin is a 120 kDa member of the type II Cadherin family, characterized by the presence of 5 extracellular cadherin domains (ECD), and anchored to the actin cytoskeleton through their cytoplasmic tail. VE-Cadherin mediates homophilic adhesion between neighbouring endothelial cells and is localized within specialized structures at cell-cell
Cross-Reactivity	Bovine, mouse, rat
Immunogen	CD144 antibody was raised in rabbit using recombinant protein fragments corresponding to amino acids 1-258 of VE-cadherin as the immunogen.
Preparation and Storage	Aliquot and store at -20 degree C. Avoid repeated Freeze/Thaw cycles



WB (Western Blot)

Immunoblot analysis of VE-cadherin and catenin expression in endothelial cells exposed to anti-Cad2 antibody. A, total cell lysates of untreated cells (lanes 1 and 4) and of cells treated with anti-Cad2 antibody for 2 h (lanes 2 and 5) or 4 h (lanes 3 and 6) were electrophoresed and transferred to nitrocellulose membranes before probing with anti-VE-Cad, anti-alpha-catenin, anti-beta-catenin, and anti-plakoglobin (plako) antibodies. Lanes 4 and 6 correspond to cells treated with cycloheximide for 4 h prior to the addition of anti-VE-Cad. B, shown are the results from the quantification of the amounts of VE-cadherin and catenins. The amounts of VE-cadherin (panel a), alpha-catenin (panel b), beta-catenin (panel c), and plakoglobin (panel d) were estimated, using image analysis software, from the ECL bands of the Western blots described for A. Shaded bars, without cycloheximide; white bars, with cycloheximide. The relative amounts of protein expression (%) are shown on the y-axis (0 to 120) and time (h) is on the x-axis (0, 2, 4).



FCM/FACS (Flow Cytometry)

Recognition of native VE-cadherin by anti-VE-Cad. Specificity of the anti-fragment antibody anti-VE-Cad was examined by flow cytometry using VE-cadherin-expressing CHO cells (A) (hatched surface, VE-cadherin transfectant; open surface, CHO control), by immunofluorescence staining of fixed confluent endothelial cell monolayers (B), or by Western blot using endothelial cell lysates (C).

ADDITIONAL INFORMATION

Related Product Information for anti-CD144 antibody	Rabbit polyclonal CD144 antibody
Product Categories/Family for anti-CD144 antibody	Immunology

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://www.aaabiotech.com/polyclonal/cd144-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/74966>