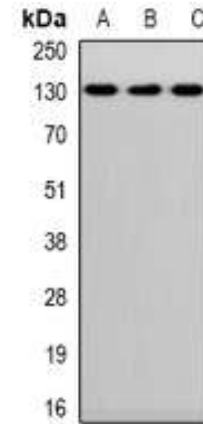


CD144 (VE-Cadherin) Antibody

CATALOG NO:	A1148-100
ALTERNATIVE NAMES:	Cadherin-5; 7B4 antigen; Vascular endothelial cadherin; VE-cadherin; CD144
AMOUNT:	100 µl
IMMUNOGEN:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD144
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of CD144 protein
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton. Acts in concert with KRIT1 to establish and maintain correct endothelial cell polarity and vascular lumen. These effects are mediated by recruitment and activation of the Par polarity complex and RAP1B. Required for activation of PRKCZ and for the localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction.
APPLICATION:	WB; 1:500 – 1:2000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of CD144 expression in Hela (A), mouse lung (B), mouse heart (C) whole cell lysates

RELATED PRODUCTS:

- Cadherin Antibody (**Cat. No. 3365R-100**)
- Cadherin Blocking Peptide (**Cat. No. 3365RBP-50**)
- Anti-E-Cadherin (CDH1) Rabbit Monoclonal Antibody (**Cat. No. A1126-50**)
- N-Cadherin Antibody (Clone EPR1791-4) (**Cat. No. 6781-50**)
- E-Cadherin (Human) ELISA Kit (**Cat. No. 7420-25**)
- Human CellExp™ E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant (**Cat. No. 7420-50**)

FOR RESEARCH USE ONLY! Not to be used on humans.