



Swiss-Prot No.:	P33151
Altermname:	CDH5
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	Synthetic peptide conjugated to KLH.
Purification:	Affinity purified
Reactivity:	Human,Rat,Mouse
Other Names:	CD144,Cadherin 5, VEC,CDH5
Background:	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 an 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.
Gene ID:	1003

Cellular localization:	Cell junction, Cell membrane, Membrane
Source:	Mouse
Antibody type:	Monclonal antibody
Isotype:	IgG1
Molecular Weight:	130-140kDa
Preservative:	PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Recommended Dilutions:	IHC 1:100-200 (Optimal dilutions should be determined by the end user)
Clone Number:	8F5-6F3-1A7
Form of Antibody:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.