

Anti-VE-Cadherin (Tyr-685), Phosphospecific Antibody



Product Details

Available Variants	100 µL (SKU:CP1981)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	CDH5
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-VE-Cadherin (Tyr-685) synthetic peptide (coupled to carrier protein) corresponding to amino acids surrounding tyrosine 685 in human VE-cadherin. This sequence has significant homology to the conserved site in rat and mouse VE-cadherin, but is not conserved in other cadherins.
Specificity	This antibody was cross-adsorbed to an unrelated phospho-tyrosine peptide and unphosphorylated VE-cadherin (Tyr-685) peptide before affinity purification using phospho-VE-cadherin (Tyr-685) peptide. The purified antibody detects a 140 kDa* band corresponding to VE-cadherin in western blots of human endothelial cells treated with pervanadate, and this band is not detected in untreated cells or after alkaline phosphatase treatment.
Molecular Weight	140
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

-20°C.

UniProt ID P33151

Country of Origin United States

Shipping Blue Ice

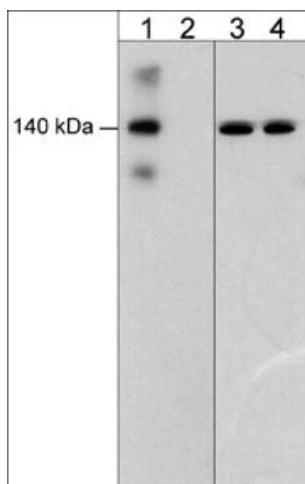
Expiration After date of receipt, stable for at least 1 year at -20°C.

Usage Statement For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

Post Translational Modification Type Phosphorylated

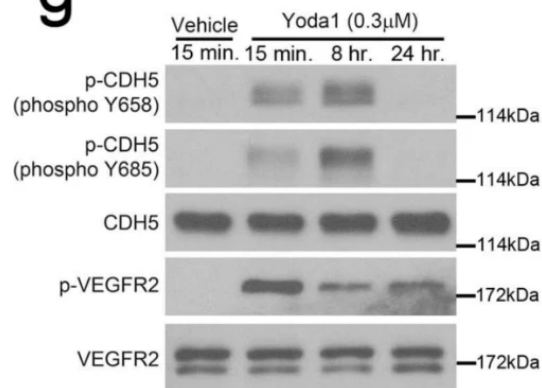
Post Translational Modification Residue Tyr-685

Product Images



Western blot image of human umbilical vein endothelial cells stimulated with pervanadate (1 mM) for 30 min. then the blots were untreated (lanes 1 & 3) or treated with alkaline phosphatase (lanes 2 & 4). The blots were probed with rabbit polyclonal anti-VE-cadherin (Tyr-685) (lanes 1 & 2) or mouse monoclonal anti-VE-cadherin (lanes 3 & 4).

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Phosphorylation of CDH5 Y658, CDH5 Y685 (Cat. CP1981) and VEGFR2 (Tyr1054/1059) in cultured human LECs after Yoda1 (0.3 μM) treatment for the indicated periods. Image from publication CC-BY-4.0. [PMID: 38528202](https://pubmed.ncbi.nlm.nih.gov/38528202/)

Product Page URL: www.antibodiesinc.com/products/anti-ve-cadherin-tyr-685-phosphospecific-antibody-cp1981



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