


Product datasheet

Anti-VE Cadherin (phospho Y685) antibody ab119785

★★★★★ [2 Abreviews](#) [26 References](#) [1 Image](#)

Overview

Product name	Anti-VE Cadherin (phospho Y685) antibody
Description	Rabbit polyclonal to VE Cadherin (phospho Y685)
Host species	Rabbit
Specificity	ab119785 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.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide corresponding to Human VE Cadherin (phospho Y685).
Positive control	Human umbilical vein endothelial cells stimulated with pervanadate.
General notes	Do not aliquot. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: 49% PBS, 50% Glycerol, 0.1% BSA
Purity	Immunogen affinity purified
Purification notes	ab119785 was cross-adsorbed to an unrelated phospho-tyrosine peptide and unphosphorylated VE Cadherin (Y685) peptide before affinity purification using phospho-VE Cadherin (Y685) peptide.

Clonality	Polyclonal
Isotype	IgG

Applications

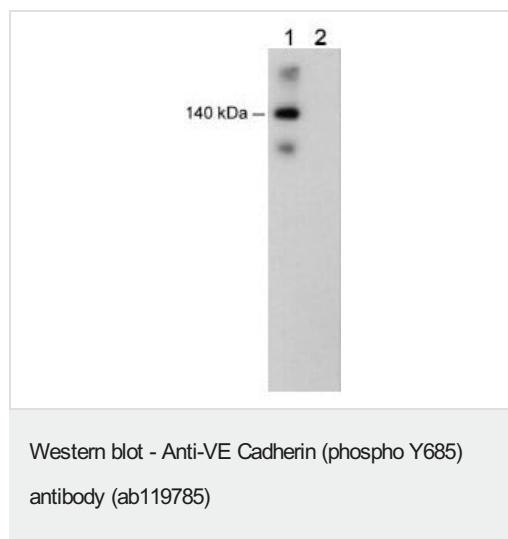
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab119785 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★ ★ ★ ★ ★ (2)	1/1000. Detects a band of approximately 140 kDa (predicted molecular weight: 88 kDa).

Target

Function	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.
Tissue specificity	Endothelial tissues and brain.
Sequence similarities	Contains 5 cadherin domains.
Post-translational modifications	Phosphorylated on tyrosine residues by KDR/VEGFR-2. Dephosphorylated by PTPRB.
Cellular localization	Cell junction. Cell membrane. Found at cell-cell boundaries and probably at cell-matrix boundaries.

Images



All lanes : Anti-VE Cadherin (phospho Y685) antibody (ab119785) at 1/1000 dilution

Lane 1 : Human umbilical vein endothelial cells stimulated with pervanadate (1 mM) for 30 min.

Lane 2 : Human umbilical vein endothelial cells stimulated with pervanadate (1 mM) for 30 min then treated with alkaline phosphatase

Predicted band size: 88 kDa

Observed band size: 140 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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