



11 Park Drive, Suite 12  
Boston, MA 02215

## Rabbit Anti-Human CCM-3

### ORDERING INFORMATION

<b>Catalog Number:</b>	102-PA27
<b>Size:</b>	100 µg
<b>Formulation:</b>	Polyclonal Antibody ; Lyophilized
<b>Synonyms:</b>	PDCD10; CCM3; TFAR15
<b>Antigen:</b>	Recombinant human CCM1 (RT #300-056)
<b>Application:</b>	WB, IF
<b>NCBI Gene ID:</b>	11235
<b>Buffer:</b>	PBS pH 7.4 w/o preservative

### ***Description:***

Cerebral cavernous malformations (CCMs) are sporadically acquired or inherited vascular lesions of the central nervous system consisting of clusters of dilated thin-walled blood vessels that predispose individuals to seizures and stroke. Mutations in CCM1, CCM2, or CCM3 lead to cerebral cavernous malformations, one of the most common hereditary vascular diseases of the brain. Endothelial cells within these lesions are the main disease compartments. Here, we show that adenoviral CCM3 expression inhibits endothelial cell migration, proliferation, and tube formation while down regulation of endogenous CCM3 results in increased formation of tube-like structures. Adenoviral CCM3 expression does not induce apoptosis under normal endothelial cell culture conditions but protects endothelial cells from staurosporine-induced cell death. Tyrosine kinase activity profiling suggests that CCM3 supports PDPK-1/Akt-mediated endothelial cell quiescence and survival (Schleider et al, Neurogenetics 12, 2011).

### ***Reconstitution:***

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

### ***Stability:***

The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C. **Avoid repeated freeze-thaw cycles!**

*Optimal dilutions should be determined by each laboratory for each application.*

The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users!

**This product is sold for Research Use Only !**

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Tel: 617-549-2665; Fax: (480) 247-4337, [angioproteomie@gmail.com](mailto:angioproteomie@gmail.com)