

CCM2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18117b**Specification**

CCM2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9BSQ5](#)

CCM2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 83605

Other Names

Malcavernin, Cerebral cavernous malformations 2 protein, CCM2, C7orf22

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CCM2 Antibody (C-term) Blocking Peptide - Protein Information

Name CCM2

Synonyms C7orf22

Function

Component of the CCM signaling pathway which is a crucial regulator of heart and vessel formation and integrity. May act through the stabilization of endothelial cell junctions (By similarity). May function as a scaffold protein for MAP2K3-MAP3K3 signaling. Seems to play a major role in the modulation of MAP3K3-dependent p38 activation induced by hyperosmotic shock (By similarity).

Cellular Location

Cytoplasm.

CCM2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CCM2 Antibody (C-term) Blocking Peptide - Images**CCM2 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a scaffold protein that functions in the stress-activated p38 Mitogen-activated protein kinase (MAPK) signaling cascade. The protein interacts with SMAD specific E3 ubiquitin protein ligase 1 (also known as SMURF1) via a phosphotyrosine binding domain to promote RhoA degradation. The protein is required for normal cytoskeletal structure, cell-cell interactions, and lumen formation in endothelial cells. Mutations in this gene result in cerebral cavernous malformations. Multiple transcript variants encoding different isoforms have been found for this gene.

CCM2 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Stockton, R.A., et al. J. Exp. Med. 207(4):881-896(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Harel, L., et al. Neuron 63(5):585-591(2009)