

Mouse CCM2 Monoclonal Antibody | anti-CCM2 antibody

CCM2 antibody

CATALOG # AAA106375	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
-------------------------------	----------------------	---

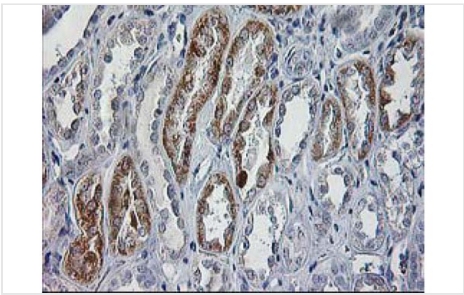
PRODUCT SYNONYMS

CCM2; Monoclonal Antibody; CCM2 antibody; Monoclonal CCM2; Anti-CCM2; Cerebral cavernous malformation 2; C7orf22; MGC4607; Cerebral cavernous malformations 2 protein; MGC4067; Chromosome 7 open reading frame 22; Malcavernin; CCM 2; CCM-2; anti-CCM2 antibody

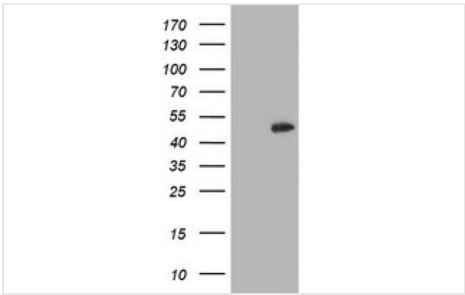
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2 E4
Purity/Purification	CCM2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	444
Applicable Applications for anti-CCM2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	CCM2 is 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 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..
Cross-Reactivity	Human
Immunogen	CCM2 antibody was raised in mouse using a full length recombinant protein of human CCM2 (NP_113631) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of CCM2 protein in paraffin embedded Human Kidney tissue using CCM2 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant CCM2 protein (Right) or empty vector (Left) detected with CCM2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CCM2 antibody	Mouse monoclonal CCM2 antibody
Product Categories/Family for anti-CCM2 antibody	Protein Modification & Stress Response

NCBI AND UNIPROT INFORMATION

NCBI GI #	13899275
NCBI GeneID	83605
NCBI Accession #	NP_113631
NCBI GenBank Nucleotide #	NM_031443.3
UniProt Accession #	Q9BSQ5; Q71RE5; Q8TAT4; A4D2L4; B3KUV0; D3DVL4; E9PDJ3; F5H0E1; F5H551
Molecular Weight	42,073 Da
NCBI Official Full Name	cerebral cavernous malformations 2 protein isoform 2
NCBI Official Synonym Full Names	cerebral cavernous malformation 2
NCBI Official Symbol	CCM2
NCBI Official Synonym Symbols	OSM; C7orf22; PP10187
NCBI Protein Information	cerebral cavernous malformations 2 protein
UniProt Protein Name	Cerebral cavernous malformations 2 protein
UniProt Gene Name	CCM2
UniProt Synonym Gene Names	C7orf22
UniProt Entry Name	CCM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.