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Product datasheet for TA503417

CCM2 Mouse Monoclonal Antibody [Clone ID: OTI1E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1E9
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CCM2(NP_113631) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.38 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48.7 kDa
Gene Name:	CCM2 scaffold protein
Database Link:	NP_113631 Entrez Gene 216527 MouseEntrez Gene 305505 RatEntrez Gene 83605 Human Q9BSQ5

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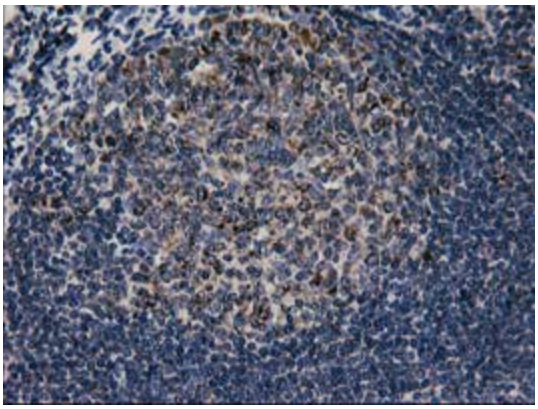
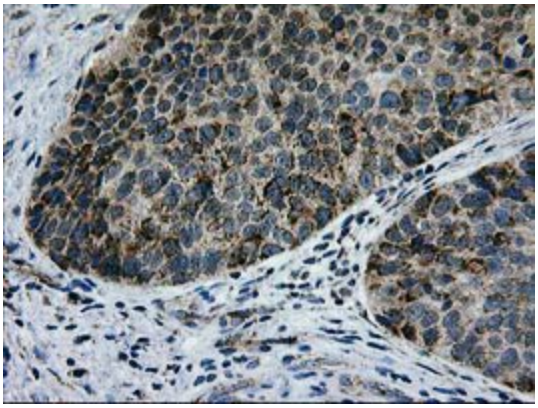
Background: This gene encodes a scaffold protein that functions in the stress-activated p38 Mitogen-activated protein kinase (MAPK) signaling cascade. The protein interacts with SMAD specific E3 ubiquitin protein ligase 1 (also known as SMURF1) via a phosphotyrosine binding domain to promote RhoA degradation. 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.

Synonyms: C7orf22; OSM; PP10187

Product images:



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-CCM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503417)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-CCM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503417)

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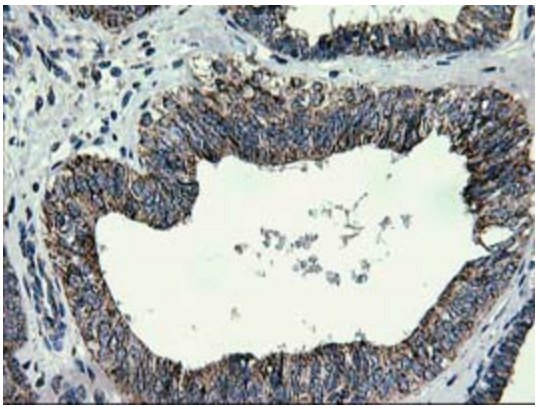
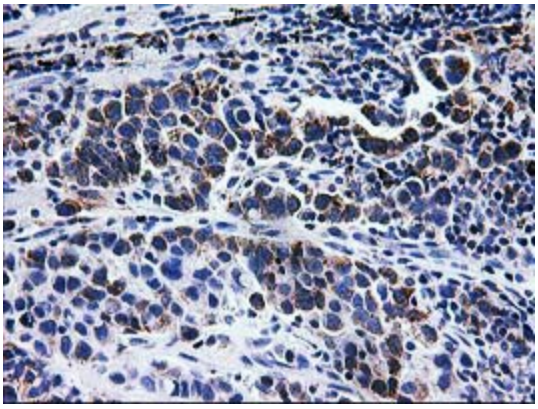
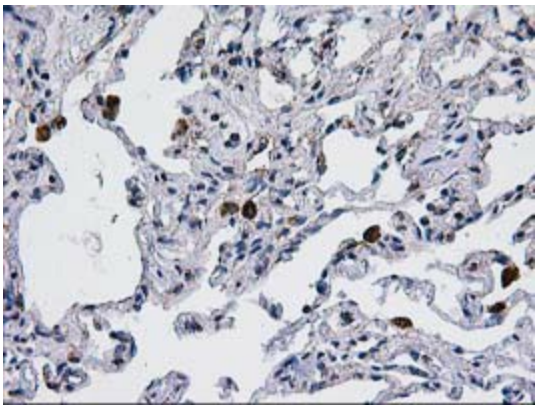


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-CCM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503417)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CCM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503417)



Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-CCM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503417)

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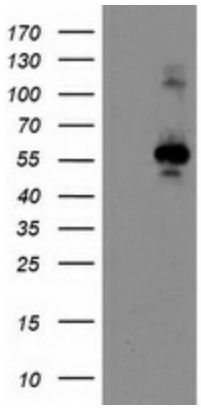
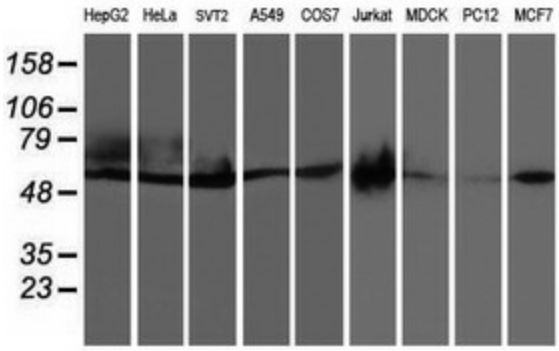


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CCM2 (Cat# [RC201418], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CCM2(Cat# TA503417). Positive lysates [LY410516] (100ug) and [LC410516] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CCM2 monoclonal antibody.

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