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Datasheet for ABIN7468108 anti-CCM2 antibody



Overview	
Quantity:	100 µL
Target:	CCM2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCM2 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human CCM2. The exact sequence is proprietary.
lsotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CCM2
Alternative Name:	CCM2 scaffold protein (CCM2 Products)
Background:	Synonyms: CCM2 scaffold protein , C7orf22 , OSM , PP10187 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

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Target Details

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.

Molecular Weight:	49 kDa
Gene ID:	83605
UniProt:	Q9BSQ5
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.4 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

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