

# Product Datasheet

## CCM2 Antibody NB100-53812

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-53812****CCM2 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

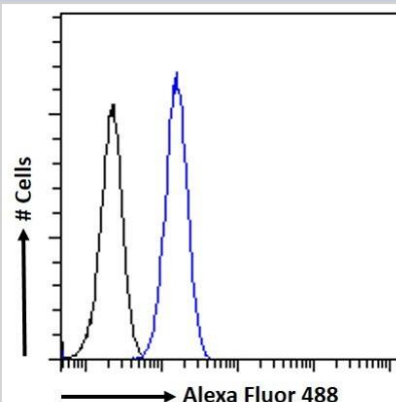
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	83605
<b>Gene Symbol</b>	CCM2
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is expected to recognize isoform 1 (NP_001025006.1), isoform 2 (NP_113631.1) and isoform 4 (NP_001161407.1).
<b>Immunogen</b>	Peptide with sequence C-KGEKSRDKKAHEK, from the internal region of the protein sequence according to NP_001025006.1; NP_113631.1; NP_001161407.1; NP_001350387.1.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.3-2 ug/ml, Flow Cytometry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	WB: Approx 45-48kDa band observed in Human Heart lysates and approx.48kDa in Human Cerebral Cortex lysates and in lysates of cell line KNRK (calculated MW of 48.8kDa according to Human NP_113631.1 and 49.8kDa according to Rat NP_001119747.1). Primary incubation 1 hour at room temperature.

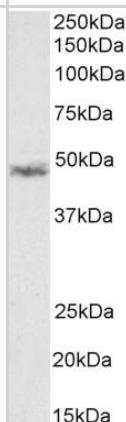


## Images

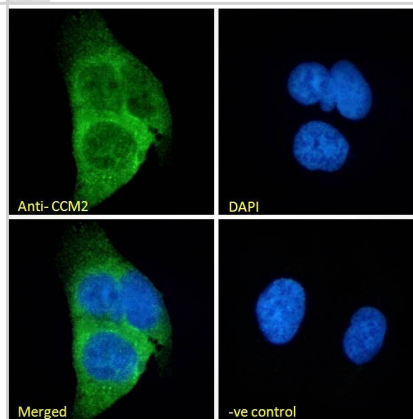
**Flow Cytometry: CCM2 Antibody [NB100-53812]** - Flow cytometric analysis of paraformaldehyde fixed KNRK cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



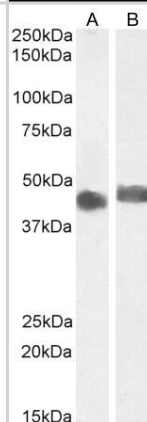
**Western Blot: CCM2 Antibody [NB100-53812]** - (1ug/ml) staining of Rat KNRK cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



**Immunocytochemistry/Immunofluorescence: CCM2 Antibody [NB100-53812]** - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



**Western Blot: CCM2 Antibody [NB100-53812]** - (0.5ug/ml) staining of Human Heart (A) and (2ug/ml) Cerebral Cortex (B) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



## Publications

Zawistowski JS, Stalheim L, Uhlik MT et al. CCM1 and CCM2 protein interactions in cell signaling: implications for cerebral cavernous malformations pathogenesis. Hum Mol Genet 2005-09-01 [PMID: 16037064]



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### **Products Related to NB100-53812**

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NB820-59217	Human Heart Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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