

Product Datasheet

CCM2 Antibody NB100-53812

Unit Size: 0.1 mg

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

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Publications: 1

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NB100-53812

CCM2 Antibody

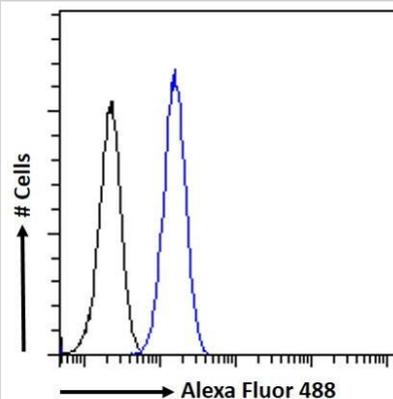
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris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

| Product Description | |
|-------------------------|--|
| Description | Novus Biologicals Goat CCM2 Antibody (NB100-53812) is a polyclonal antibody validated for use in WB, ELISA, Flow and ICC/IF. Anti-CCM2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Goat |
| Gene ID | 83605 |
| Gene Symbol | CCM2 |
| Species | Human |
| Specificity/Sensitivity | This antibody is expected to recognize isoform 1 (NP_001025006.1), isoform 2 (NP_113631.1) and isoform 4 (NP_001161407.1). |
| Immunogen | 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. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA |
| Recommended Dilutions | Western Blot 0.3-2 ug/ml, Flow Cytometry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA Detection limit 1:128000 |
| Application Notes | 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

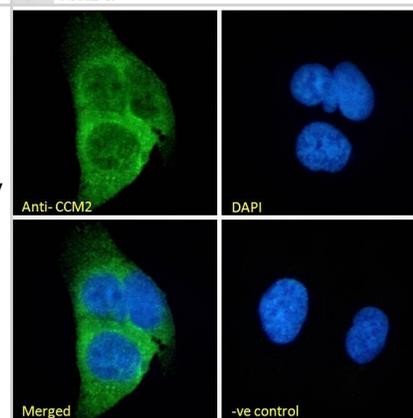
Flow Cytometry: CCM2 Antibody [NB100-53812] - Flow cytometric analysis of paraformaldehyde fixed KNRK cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by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



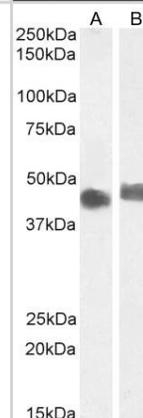
Western Blot: CCM2 Antibody [NB100-53812] - (1ug/ml) staining of Rat KNRK cell lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

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

| | |
|-----------------|--|
| NB820-59217 | Human Heart Whole Tissue Lysate (Adult Whole Normal) |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| 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 |

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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