

Product Datasheet

Recombinant Calponin Antibody / Rabbit Monoclonal (orb386227)

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| Catalog Number | orb386227 |
| Category | Antibodies |
| Description | Calponin is a calmodulin, F-actin and tropomyosin binding protein which is thought to be involved in the regulation of smooth muscle contraction. |
| Clonality | Recombinant |
| Species/Host | Rabbit |
| Isotype | Rabbit IgG, kappa |
| Conjugation | Unconjugated |
| Reactivity | Human, Rat |
| Buffer/Preservatives | 0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide |
| Purification | Protein A affinity chromatography |
| Immunogen | Recombinant human protein was used as the immunogen for the recombinant Calponin antibody. |
| UniProt ID | P51911 |
| Tested applications | FACS, IF, IHC-P, WB |
| Dilution range | Flow cytometry: 1-2ug/10 ⁶ cells, Immunofluorescence: 1-3ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT, Western blot: 2-4ug/ml |

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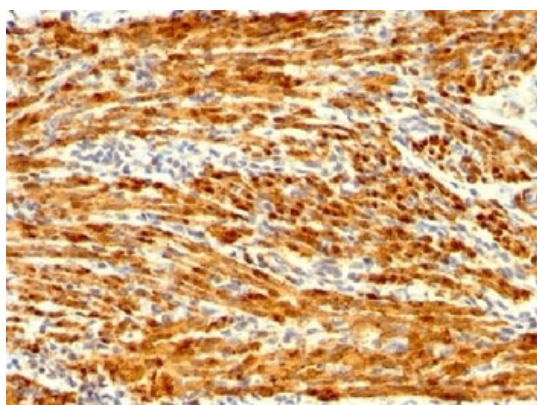
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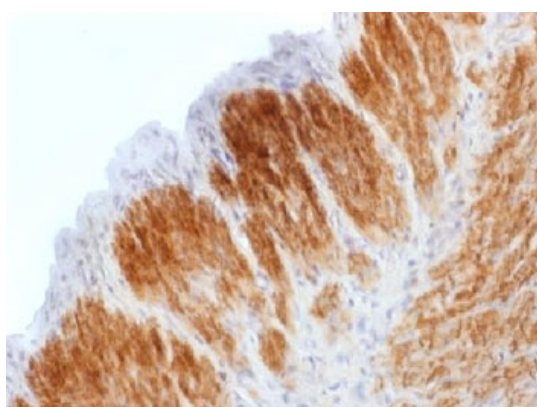
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| Application notes | Optimal dilution of the recombinant Calponin antibody should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min. |
| Antibody Type | Primary Antibody |
| Clone Number | CNN1/1408R |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |



IHC testing of FFPE human uterus stained with recombinant Calponin antibody (clone CNN1/1408R). Required HIER: steam sections in 1 mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE rat uterus stained with recombinant Calponin antibody (clone CNN1/1408R). Required HIER: steam sections in 1 mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.

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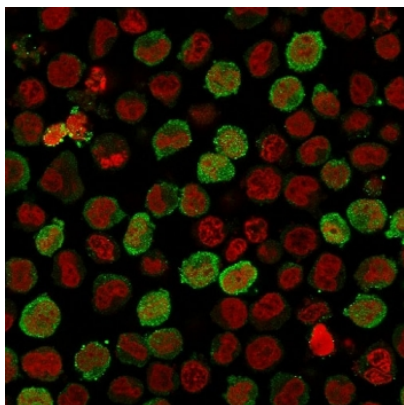
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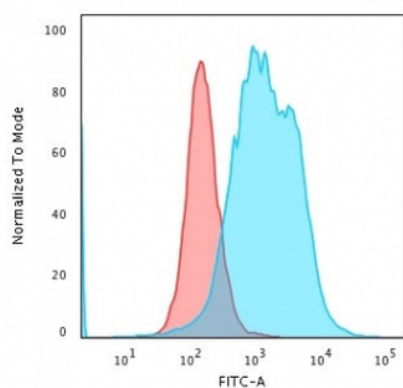
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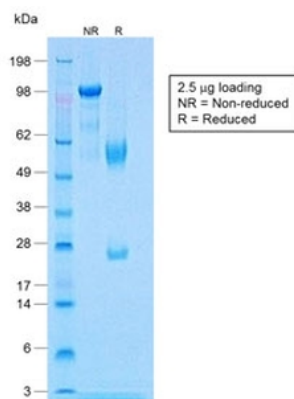
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Immunofluorescent staining of permeabilized human K562 cells with recombinant Calponin antibody (green, clone CNN1/1408R) and Reddot nuclear stain (red).



Flow cytometry testing of PFA-fixed human K562 cells with recombinant Calponin antibody (clone CNN1/1408R); Red = isotype control, Blue = recombinant Calponin antibody.



SDS-PAGE analysis of purified, BSA-free recombinant Calponin antibody (clone CNN1/1408R) as confirmation of integrity and purity.

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