

Product Datasheet

Recombinant Calponin Antibody / Rabbit Monoclonal (orb2642060)

Catalog Number	orb2642060
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	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
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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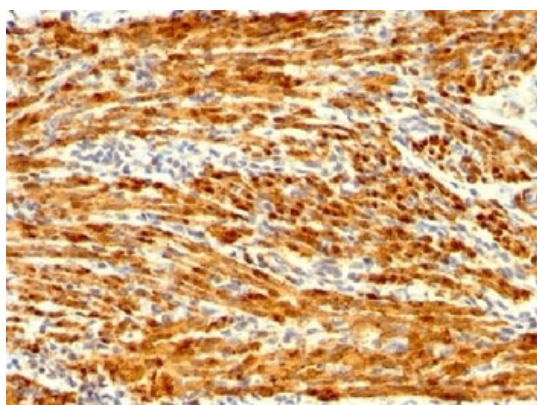
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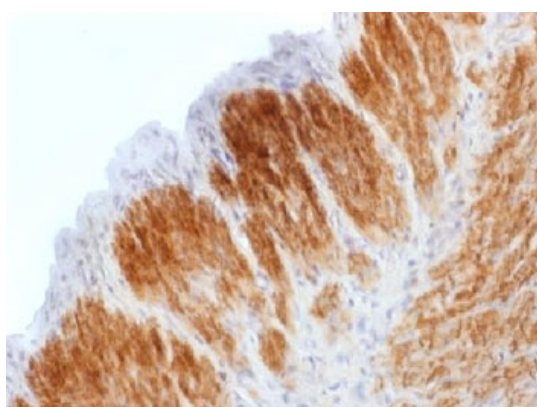
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Application notes	Optimal dilution of the recombinant Calponin antibody should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip 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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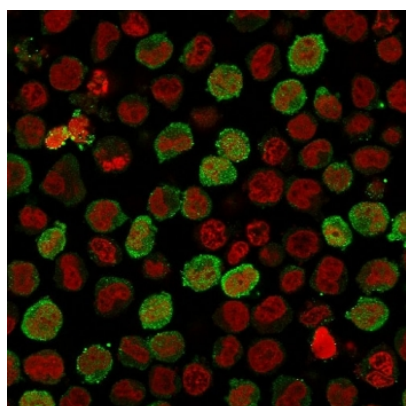
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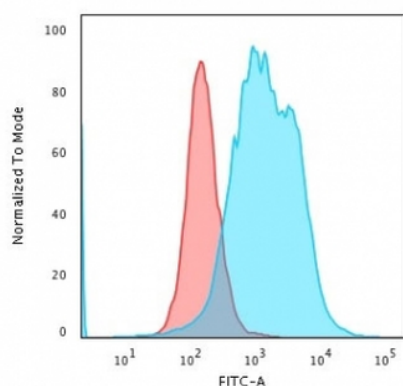
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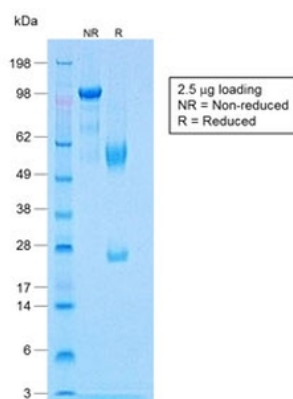
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Immunofluorescent staining of permeabilized human K562 cells with recombinant Calponin antibody (green, clone CNN1/1408R) and Reddot nuclear stain (red).



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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