

Product Datasheet

Calponin 1 Antibody (SI67-01) NBP2-67401

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67401

Calponin 1 Antibody (SI67-01)

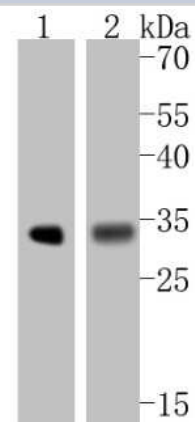
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SI67-01
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene Symbol	CNN1
Species	Human, Mouse, Rat, Porcine, Canine
Immunogen	Synthetic peptide within Human Calponin 1 aa 248-297 / 297. (SwissProt: P51911 Human; SwissProt: Q08091 Mouse; SwissProt: Q08290 Rat)

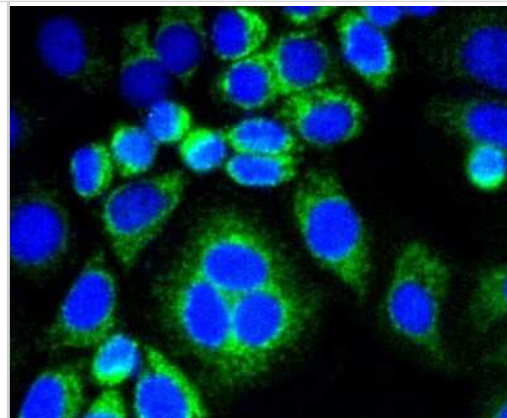
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200

Images

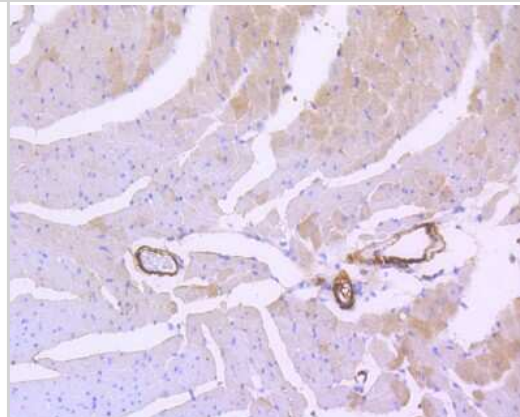
Western Blot: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Western blot analysis of Calponin 1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Ant



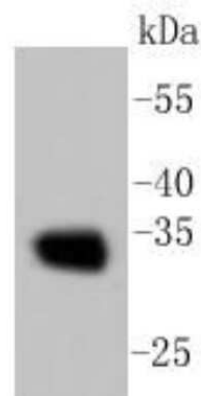
Immunocytochemistry/Immunofluorescence: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Staining Calponin in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



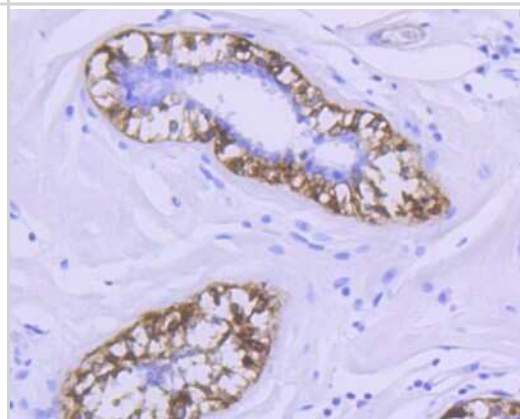
Immunohistochemistry-Paraffin: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Calponin 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (ET1606-17, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



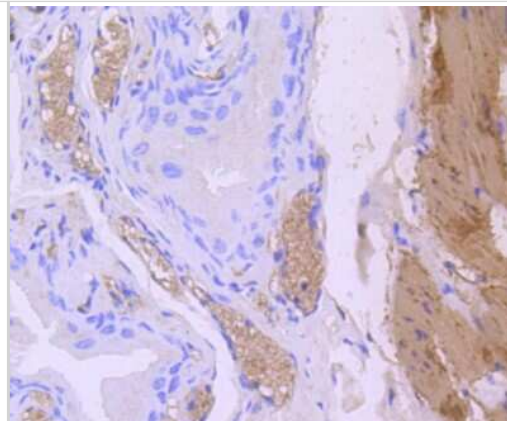
Western Blot: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Analysis of Calponin on Hela cell lysates using anti-Calponin antibody at 1/1,000 dilution.



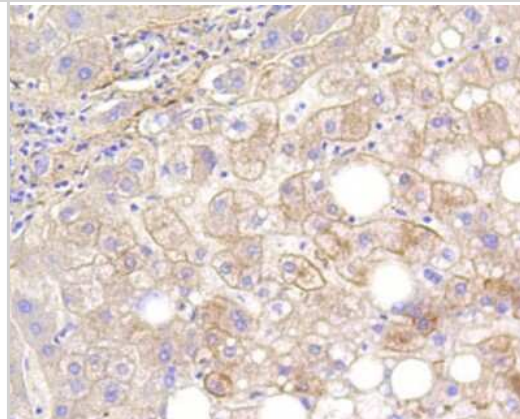
Immunohistochemistry-Paraffin: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Analysis of paraffin-embedded human breast tissue using anti-Calponin antibody. Counter stained with hematoxylin.



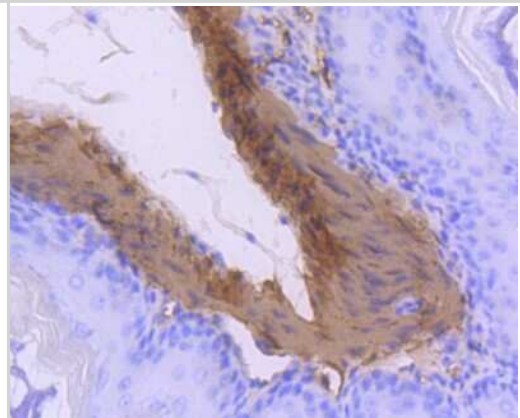
Immunohistochemistry-Paraffin: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Analysis of paraffin-embedded mouse bladder tissue using anti-Calponin antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Analysis of paraffin-embedded mouse heart tissue using anti-Calponin antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Calponin 1 Antibody (SI67-01) [NBP2-67401] - Analysis of paraffin-embedded mouse stomach tissue using anti-Calponin antibody. Counter stained with hematoxylin.



Publications

Lin CJ, Staiculescu MC, Hawes JZ et al. Heterogeneous Cellular Contributions to Elastic Laminae Formation in Arterial Wall Development *Circ. Res.* 2019-10-08 [PMID: 31590613]



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Limitations

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