

# Product Datasheet

## Calmodulin Antibody (SJ16-09) NBP2-67413

Unit Size: 100 ul

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

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### Publications: 3

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Updated 10/23/2024 v.20.1

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**NBP2-67413**

Calmodulin Antibody (SJ16-09)

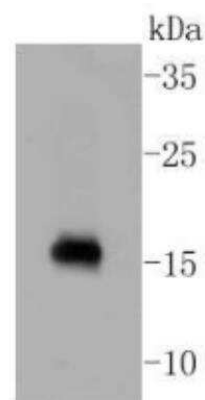
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SJ16-09
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	801
Gene Symbol	CALM1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human Calmodulin aa 100-149 / 149. (SwissProt: P0DP23 Human; SwissProt: P0DP24 Human; SwissProt: P0DP25 Human)

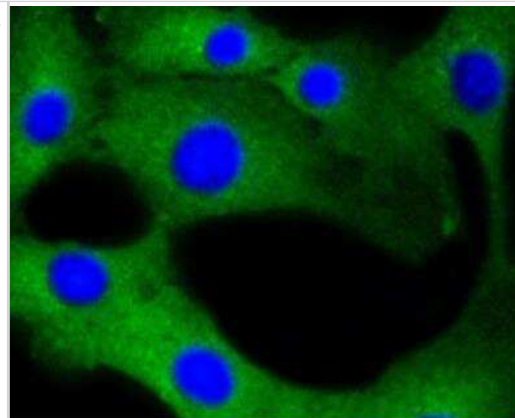
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

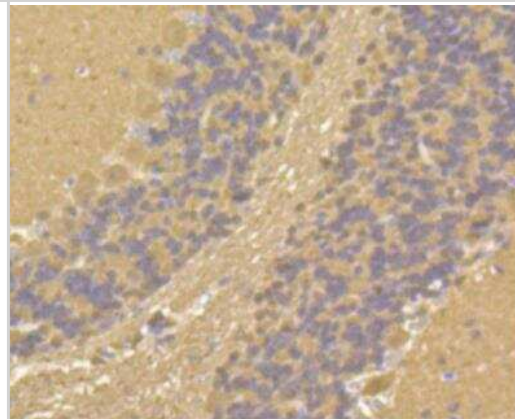
Western Blot: Calmodulin Antibody (SJ16-09) [NBP2-67413] - Analysis of Calmodulin on rat brain lysates using anti-Calmodulin antibody at 1/1,000 dilution.



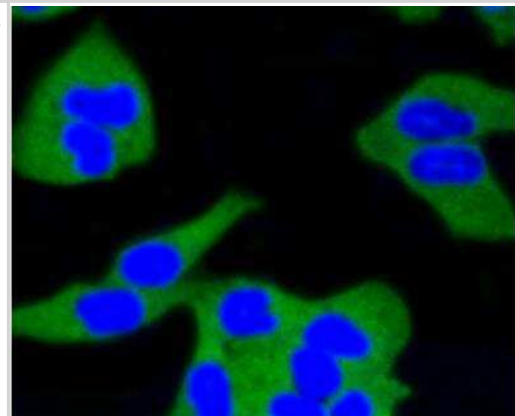
Immunocytochemistry/Immunofluorescence: Calmodulin Antibody (SJ16-09) [NBP2-67413] - NIH/3T3 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



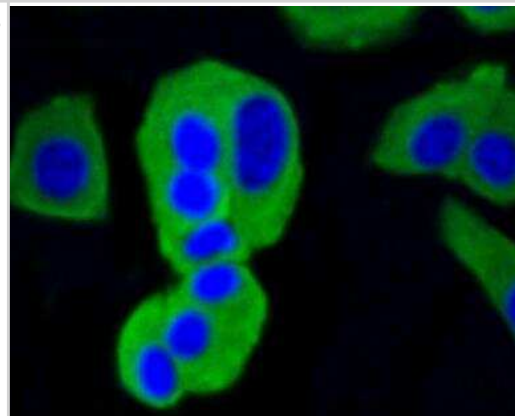
Immunohistochemistry-Paraffin: Calmodulin Antibody (SJ16-09) [NBP2-67413] - Analysis of paraffin-embedded mouse cerebellum tissue using anti-Calmodulin antibody. Counter stained with hematoxylin.



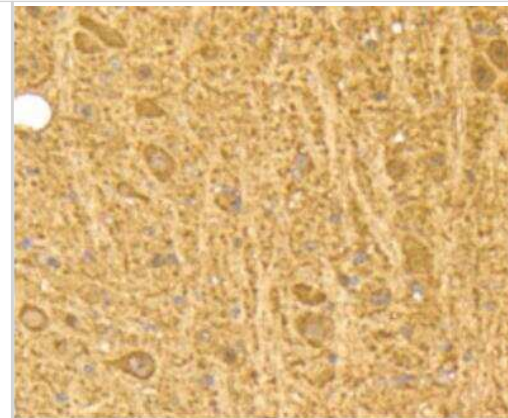
Immunocytochemistry/Immunofluorescence: Calmodulin Antibody (SJ16-09) [NBP2-67413] - Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: Calmodulin Antibody (SJ16-09) [NBP2-67413] - MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: Calmodulin Antibody (SJ16-09) [NBP2-67413] - Analysis of paraffin-embedded mouse brain tissue using anti-Calmodulin antibody. Counter stained with hematoxylin.



## Publications

Stephanie Thibodeau, Weidong Yang, Sunita Sharma, Jonathan Lytton Calmodulin binds and modulates K<sup>+</sup>-dependent Na<sup>+</sup>/Ca<sup>2+</sup>-exchanger isoform 4, NCKX4 *The Journal of Biological Chemistry* 2020-11-23 [PMID: 33199372]

Sharma S, Littman R, Tompkins JD et al. Tiered sympathetic control of cardiac function revealed by viral tracing and single cell transcriptome profiling *eLife* 2023-05-10 [PMID: 37162194]

Chimote Aa, Gawali Vs, Newton Hs et Al. A Compartmentalized Reduction in Membrane-Proximal Calmodulin Reduces the Immune Surveillance Capabilities of CD8<sup>+</sup> T Cells in Head and Neck Cancer *Front Pharmacol.* [PMID: 32184726] (PLA, Human)



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### **Products Related to NBP2-67413**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

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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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