

GSN Antibody (N-term)
Mouse Monoclonal Antibody (Mab)
Catalog # AM1936b

Specification

GSN Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P06396
Other Accession	Q3SX14 , NP_000168.1
Reactivity	Human
Predicted	Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	IgM,k
Calculated MW	85698
Antigen Region	230-259

GSN Antibody (N-term) - Additional Information

Gene ID 2934

Other Names

Gelsolin, AGEL, Actin-depolymerizing factor, ADF, Brevin, GSN

Target/Specificity

This GSN antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 230-259 amino acids from the N-terminal region of human GSN.

Dilution

WB~~1:1000

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

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.

Precautions

GSN Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GSN Antibody (N-term) - Protein Information

Name GSN

Function Calcium-regulated, actin-modulating protein that binds to the plus (or barbed) ends of

actin monomers or filaments, preventing monomer exchange (end-blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed (PubMed:[19666512](#)). Plays a role in ciliogenesis (PubMed:[20393563](#)).

Cellular Location

[Isoform 2]: Cytoplasm, cytoskeleton.

Tissue Location

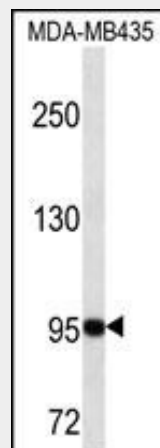
Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells

GSN Antibody (N-term) - Protocols

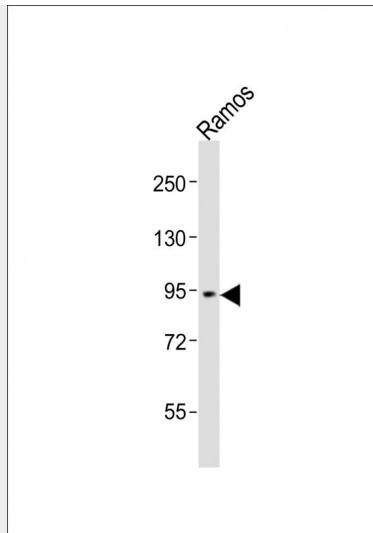
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GSN Antibody (N-term) - Images



GSN Antibody (N-term) (Cat. #AM1936b) western blot analysis in MDA-MB435 cell line lysates (35µg/lane). This demonstrates the GSN antibody detected the GSN protein (arrow).



Anti-GSN Antibody (N-term) at 1:1000 dilution + Ramos whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgM, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

GSN Antibody (N-term) - Background

The protein encoded by this gene binds to the 'plus' ends of actin monomers and filaments to prevent monomer exchange. The encoded calcium-regulated protein functions in both assembly and disassembly of actin filaments. Defects in this gene are a cause of familial amyloidosis Finnish type (FAF). Multiple transcript variants encoding several different isoforms have been found for this gene.

GSN Antibody (N-term) - References

- Pottiez, G., et al. Rapid Commun. Mass Spectrom. 24(17):2620-2624(2010)
- Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
- Lee, P.S., et al. Blood Purif. 29(2):99-101(2010)
- Solomon, J.P., et al. Biochemistry 48(48):11370-11380(2009)
- Litwin, M., et al. Acta Biochim. Pol. 56(4):739-743(2009)