

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

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**GSN Antibody (N-term) - Product Information**

|                   |  |
|-------------------|--|
| Application       | WB,E   |
| Primary Accession | <a href="#">P06396</a>                               |
| Other Accession   | <a href="#">Q3SX14</a> , <a href="#">NP_000168.1</a> |
| 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~~1:500~1000

**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.

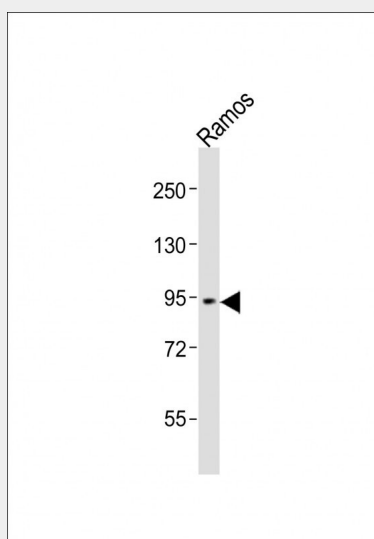
**Tissue Location**

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

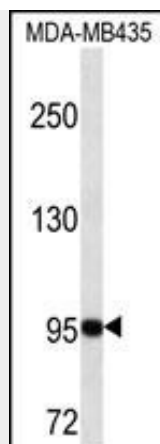
**GSN Antibody (N-term) - Protocols**

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**

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



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).

#### **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)