

# GSN Antibody (N-term) (ascites)

Mouse Monoclonal Antibody (Mab)

Catalog # AM1936a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P06396</a>
<b>Other Accession</b>	<a href="#">Q3SX14</a> , <a href="#">NP_000168.1</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Bovine
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgM
<b>Clone Names</b>	328CT2.2.1
<b>Calculated MW</b>	85698
<b>Antigen Region</b>	230-259

## Additional Information

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<b>Gene ID</b>	2934
<b>Other Names</b>	Gelsolin, AGEL, Actin-depolymerizing factor, ADF, Brevin, GSN
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:100~4000 E~~Use at an assay dependent concentration.
<b>Format</b>	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
<b>Storage</b>	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.
<b>Precautions</b>	GSN Antibody (N-term) (ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	GSN
<b>Function</b>	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

**Background**

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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.

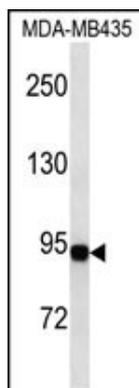
**References**

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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)  
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**Images**

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GSN Antibody (N-term) (Cat. #AM1936a) western blot analysis in MDA-MB435 cell line lysates (35µg/lane). This demonstrates the GSN antibody detected the GSN protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.