10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GSN Antibody (N-term) (ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM1936a

Product Information

Application	WB, E
Primary Accession	P06396
Other Accession	Q3SX14, NP_000168.1
Reactivity	Human
Predicted	Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Names	328CT2.2.1
Calculated MW	85698
Antigen Region	230-259

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~~1:100~4000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
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) (ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

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

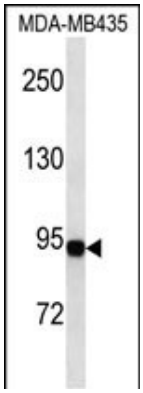
Background

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.

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)

Images



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).