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GSN Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7326a

Specification

GSN Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P06396

GSN Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 2934

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7326a was selected from the N-term region of human GSN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GSN Antibody (N-term) Blocking Peptide - 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

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GSN Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GSN Antibody (N-term) Blocking Peptide - Images

GSN Antibody (N-term) Blocking Peptide - Background

GSN binds to the 'plus' ends of actin monomers and filaments to prevent monomer exchange. The calcium-regulated protein functions in both assembly and disassembly of actin filaments. Defects in this protein are a cause of familial amyloidosis Finnish type (FAF).

GSN Antibody (N-term) Blocking Peptide - References

Li,Q., Ye,Z. Biochem. Biophys. Res. Commun. 385 (2), 284-289 (2009)Walsh,N., Dowling,P. J Proteomics 71 (5), 561-571 (2008)Paunio,T., Kiuru,S. Genomics 13 (1), 237-239 (1992)