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

GSN Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7326a

Specification

GSN Antibody (N-term) - Product Information

Application	**WB, FC, IHC-P,E**
Primary Accession	P06396
Other Accession	Q3SX14
Reactivity	**Human, Mouse, Rat**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
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 rabbits immunized with a KLH conjugated synthetic peptide between 230-259 amino acids from the N-terminal region of human GSN.

Dilution
WB~~1:2000
FC~~1:10~50
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) 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

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

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.

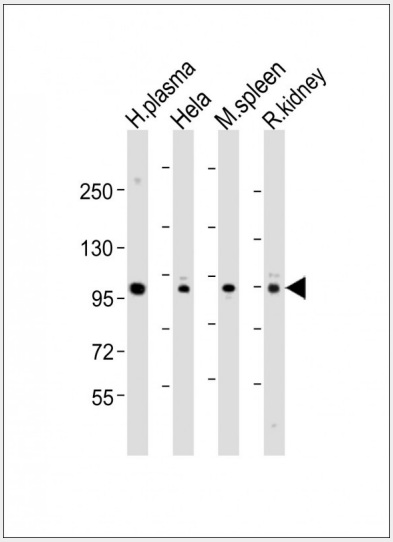
Tissue Location
Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells

GSN Antibody (N-term) - Protocols

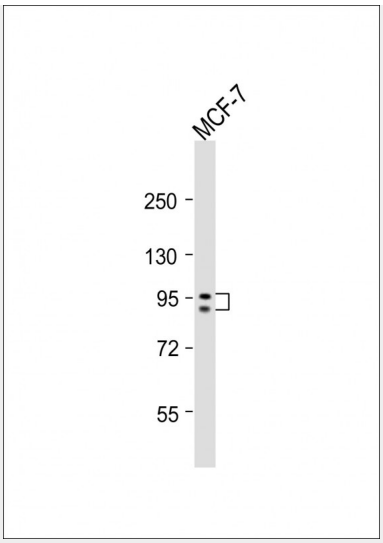
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

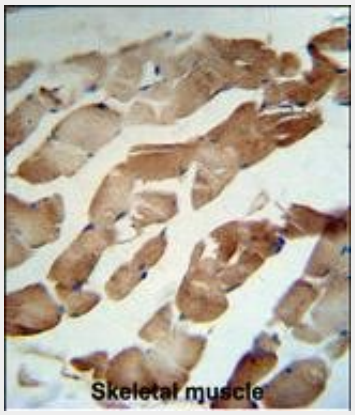
GSN Antibody (N-term) - Images



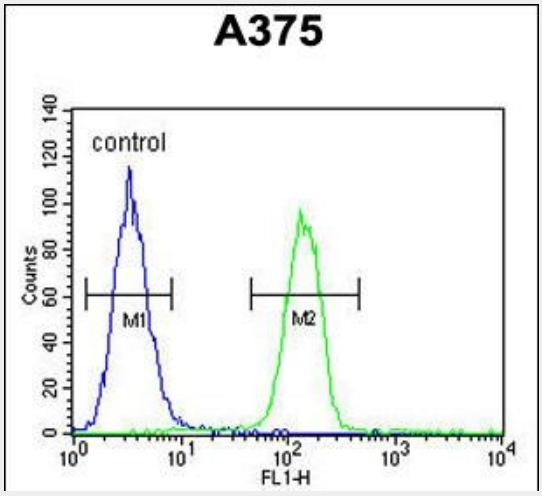
All lanes : Anti-GSN Antibody (N-term) at 1:1000-1:2000 dilution Lane 1: human plasma lysates Lane 2: Hela whole cell lysates Lane 3: mouse spleen lysates Lane 4: rat kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-GSN Antibody (N-term)at 1:2000 dilution + MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GSN Antibody (N-term) (RB18721) IHC analysis in formalin fixed and paraffin embedded human Skeletal muscle tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GSN Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



GSN Antibody (N-term) (Cat. #AP7326a) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary

antibodies were used for the analysis.

GSN Antibody (N-term) - 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) - 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)