

Rabbit GSN Polyclonal Antibody | anti-GSN antibody

GSN Antibody (N-term)

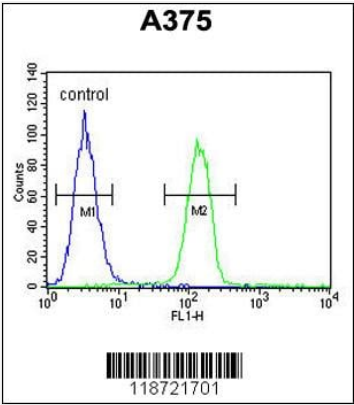
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290532	Rabbit	Human, Mouse, Rat; Predicted: Bovine	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

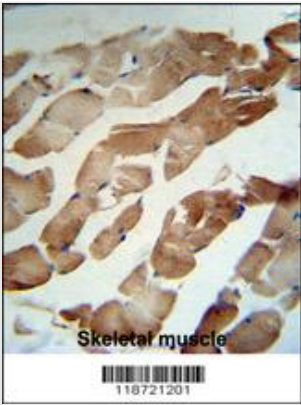
GSN; Polyclonal Antibody; GSN Antibody (N-term); Gelsolin; AGEL; Actin-depolymerizing factor; ADF; Brevin; anti-GSN antibody

PRODUCT SPECIFICATIONS

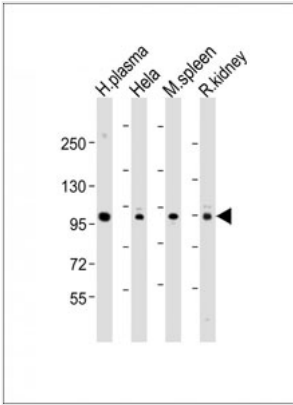
Host	Rabbit
Reactivity	Human, Mouse, Rat; Predicted: Bovine
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 230-259 amino acids from the N-terminal region of human GSN.
Form/Format	Purified polyclonal 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.
Sequence Positions	230-259
Applicable Applications for anti-GSN antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Clone Names	RB18721
Function	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. Plays a role in ciliogenesis.
Cellular Location	Isoform 2: Cytoplasm, cytoskeleton
Tissue Location	Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells
Preparation and 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.



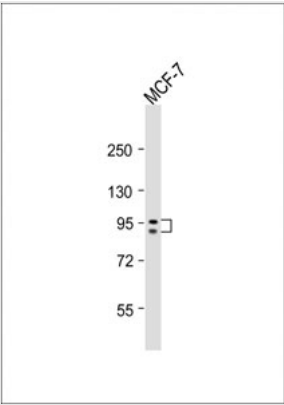
FCM/FACS (Flow Cytometry)
GSN Antibody (N-term) flow cytometric analysis of A375 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
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.



WB (Western Blot)
All lanes : Anti-GSN Antibody (N-term) at 1:1000-1:2000 dilutionLane 1: human plasma lysatesLane 2: Hela whole cell lysatesLane 3: mouse spleen lysatesLane 4: rat kidney lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 86 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



WB (Western Blot)
Anti-GSN Antibody (N-term)at 1:2000 dilution + MCF-7 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 86 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-GSN antibody	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).
Product Categories/Family for anti-GSN antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504165
NCBI GeneID	2934
NCBI Accession #	NP_000168.1; NP_001121134.1; NP_001121135.2; NP_001121136.1; NP_001121137.1; NP_001121138.1; NP_001121139.1; NP_001244958.1; NP_001244959.1; NP_937895.1
NCBI GenBank Nucleotide #	NM_000177.4

UniProt Accession #	Q3SX14; Q5T0I2; Q8WVV7; A2A418; A8MUD1; A8MYN7; B7Z373; B7Z5V1; F5H1A8; P06396
Molecular Weight	85698
NCBI Official Full Name	gelsolin isoform a
NCBI Official Synonym Full Names	gelsolin
NCBI Official Symbol	GSN
NCBI Official Synonym Symbols	ADF; AGEL
NCBI Protein Information	gelsolin
UniProt Protein Name	Gelsolin
UniProt Gene Name	GSN
UniProt Synonym Gene Names	ADF
UniProt Entry Name	GELS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gsn-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290532>