

Rabbit GSN Polyclonal Antibody | anti-GSN antibody

GSN Antibody

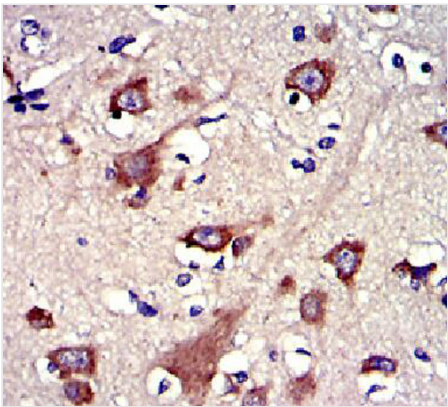
CATALOG # AAA326854	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

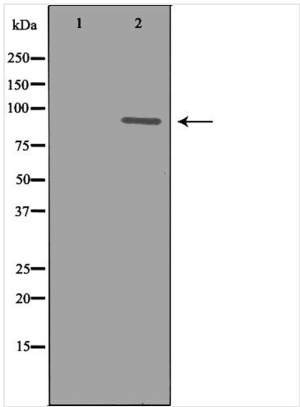
GSN; Polyclonal Antibody; GSN Antibody; Actin depolymerizing factor; Actin-depolymerizing factor; ADF; AGEL; Brevin; DKFZp313L0718; GELS_HUMAN; Gelsolin; Gsn; anti-GSN antibody

PRODUCT SPECIFICATIONS

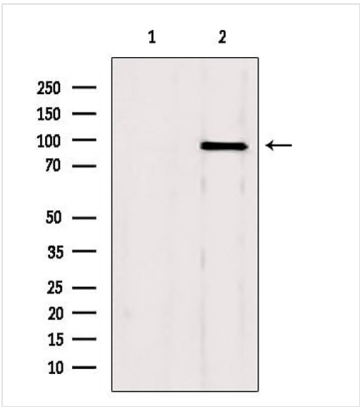
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GSN antibody detects endogenous levels of total GSN
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	782
Applicable Applications for anti-GSN antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human GSN
Subcellular Location	Cytoplasm > Cytoskeleton and Secreted.
Tissue Specificity	Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human brain cancer tissue using GSN antibody.



WB (Western Blot)
Western blot analysis of extracts of RAW264.7 lysate, using GSN antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from mouse brain, using GSN Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GSN antibody

Description: 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.

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.

Subunit Structure: Binds to actin and to fibronectin. Identified in a complex composed of ACTA1, COBL, GSN AND TMSB4X. Interacts with the inactive form of EIF2AK2/PKR (By similarity).

Post-translational Modifications: Phosphorylation on Tyr-86, Tyr-409, Tyr-465, Tyr-603 and Tyr-651 in vitro is induced in presence of phospholipids.

Similarity: Belongs to the villin/gelsolin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504165
NCBI GeneID	2934
NCBI Accession #	NP_000168.1
NCBI GenBank Nucleotide #	NM_000177.4
UniProt Accession #	P06396; Q5T0I2; Q8WVV7; A2A418; A8MUD1; A8MYN7; B7Z373; B7Z5V1; F5H1A8

Molecular Weight	Observed: 90 kDa Predicted: 86 kDa
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

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-immunohistochemistry-western-blot-elisa/326854>