

Goat Anti-Gelsolin / GSN Antibody
Peptide-affinity purified goat antibody
Catalog # AF1476a

Specification

Goat Anti-Gelsolin / GSN Antibody - Product Information

Application	WB
Primary Accession	P06396
Other Accession	NP_937895 , 2934 , 227753 (mouse) , 296654 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	85698

Goat Anti-Gelsolin / GSN Antibody - Additional Information

Gene ID 2934

Other Names

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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Gelsolin / GSN Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Gelsolin / GSN Antibody - 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:<<http://www.uniprot.org/citations/19666512>). Plays a role in ciliogenesis (PubMed:<<http://www.uniprot.org/citations/20393563>).

target="_blank">20393563).

Cellular Location

[Isoform 2]: Cytoplasm, cytoskeleton.

Tissue Location

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

Goat Anti-Gelsolin / GSN Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Gelsolin / GSN Antibody - Images



AF1476a (0.1 $\mu\text{g/ml}$) staining of Human Spleen lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Gelsolin / GSN Antibody - 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.

Goat Anti-Gelsolin / GSN Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.
The potential role of plasma gelsolin in dialysis-related protein-energy wasting. Lee PS, et al. Blood

Purif, 2010. PMID 20093811.

Gelsolin in human colon adenocarcinoma cells with different metastatic potential. Litwin M, et al. Acta Biochim Pol, 2009. PMID 19956804.

The 8 and 5 kDa fragments of plasma gelsolin form amyloid fibrils by a nucleated polymerization mechanism, while the 68 kDa fragment is not amyloidogenic. Solomon JP, et al. Biochemistry, 2009 Dec 8. PMID 19904968.

Proteomics of tumor-specific proteins in cerebrospinal fluid of patients with astrocytoma: usefulness of gelsolin protein. Ohnishi M, et al. Pathol Int, 2009 Nov. PMID 19883430.