

GSN / Gelsolin Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13627**Specification**

GSN / Gelsolin Antibody - Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	P06396
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A

GSN / Gelsolin Antibody - Additional Information**Gene ID** 2934**Other Names**

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

Target/Specificity

Human Gelsolin. Predicted cross-reactivity based on amino acid sequence homology: mouse (93%), rat (90%), bovine (95%).

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

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

GSN / Gelsolin 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:<[a href="http://www.uniprot.org/citations/19666512" target="_blank">19666512](http://www.uniprot.org/citations/19666512)). Plays a role in ciliogenesis (PubMed:<[a href="http://www.uniprot.org/citations/20393563" target="_blank">20393563](http://www.uniprot.org/citations/20393563)).

Cellular Location

[Isoform 2]: Cytoplasm, cytoskeleton.

Tissue Location

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

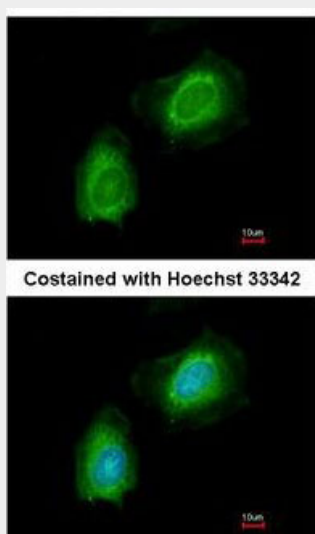
Volume

50 μ l

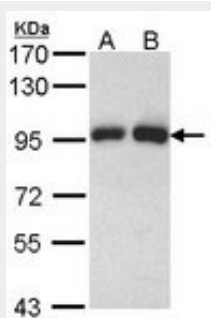
GSN / Gelsolin Antibody - Protocols

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](#)

GSN / Gelsolin Antibody - Images

Immunofluorescence of methanol-fixed HeLa, using Gelsolin antibody at 1:200 dilution.



Sample (30 ug of whole cell lysate).

GSN / Gelsolin Antibody - Background

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.

GSN / Gelsolin Antibody - References

Kwiatkowski D.J.,et al.Nature 323:455-458(1986).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).