10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

GSN / Gelsolin Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13627

Specification

GSN / Gelsolin Antibody - Product Information

Application	**IF, WB**
Primary Accession	P06396
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**86kDa KDa**

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: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

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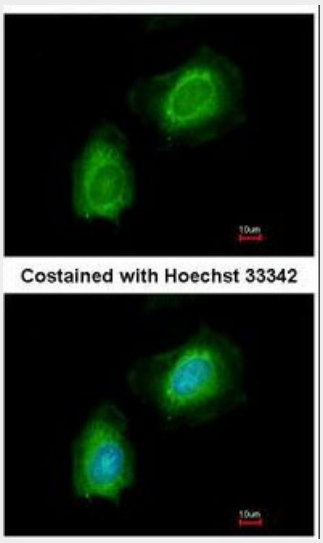
Volume
50 µl

GSN / Gelsolin Antibody - Protocols

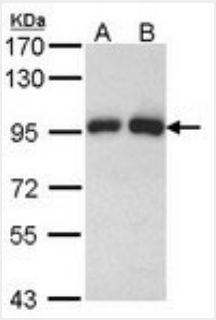
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).
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Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).