

GSN / Gelsolin Antibody (clone GEL-42)
Mouse Monoclonal Antibody
Catalog # ALS16957**Specification**

GSN / Gelsolin Antibody (clone GEL-42) - Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	P06396
Other Accession	2934
Reactivity	Human, Rabbit, Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	85698
Dilution	WB~~1:1000 IHC-P~~N/A IHC-F~~N/A

GSN / Gelsolin Antibody (clone GEL-42) - Additional Information**Gene ID** 2934**Other Names**

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

Target/Specificity

Human, rabbit, bovine. No cross reactivity with other proteins.

Reconstitution & Storage

1.2% sodium acetate, 2 mg BSA, 0.01 mg sodium azide as preservative. Short term +4°C; Long term -20°C

Precautions

GSN / Gelsolin Antibody (clone GEL-42) is for research use only and not for use in diagnostic or therapeutic procedures.

GSN / Gelsolin Antibody (clone GEL-42) - 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

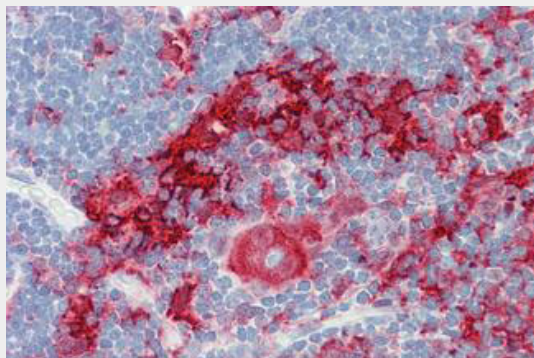
Volume

50 µl

GSN / Gelsolin Antibody (clone GEL-42) - 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 (clone GEL-42) - Images

Anti-GSN / Gelsolin antibody IHC staining of human thymus.

GSN / Gelsolin Antibody (clone GEL-42) - 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 (clone GEL-42) - 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).