

GSN / Gelsolin Antibody (clone 3G5)
Mouse Monoclonal Antibody
Catalog # ALS14059

Specification

GSN / Gelsolin Antibody (clone 3G5) - Product Information

Application	WB, IHC
Primary Accession	P06396
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	86kDa KDa

GSN / Gelsolin Antibody (clone 3G5) - Additional Information

Gene ID 2934

Other Names

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

Target/Specificity

Human Gelsolin

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

GSN / Gelsolin Antibody (clone 3G5) is for research use only and not for use in diagnostic or therapeutic procedures.

GSN / Gelsolin Antibody (clone 3G5) - 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](http://www.uniprot.org/citations/19666512)). Plays a role in ciliogenesis (PubMed: [20393563](http://www.uniprot.org/citations/20393563)).

Cellular Location

[Isoform 2]: Cytoplasm, cytoskeleton.

Tissue Location

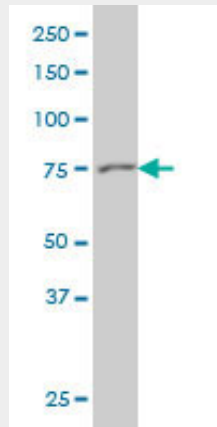
Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells

GSN / Gelsolin Antibody (clone 3G5) - Protocols

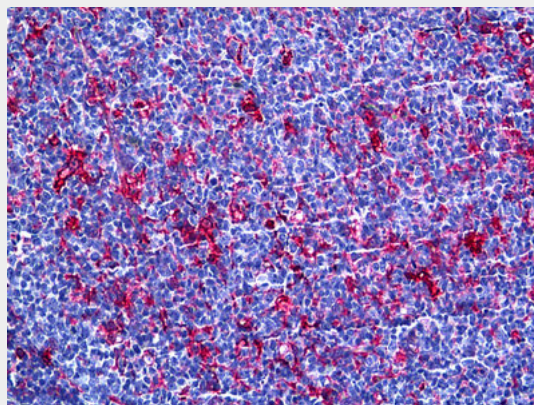
Provided below are standard protocols that you may find useful for product applications.

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

GSN / Gelsolin Antibody (clone 3G5) - Images



GSN monoclonal antibody (M01), clone 3G5 Western blot of GSN expression in HeLa.



Anti-Gelsolin antibody IHC of human tonsil.

GSN / Gelsolin Antibody (clone 3G5) - 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 3G5) - 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).