

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

## Specification

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

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">P06396</a> |
| 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

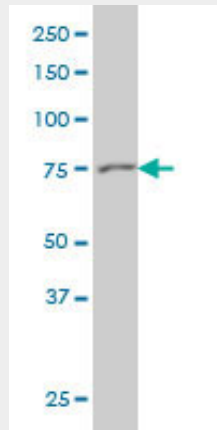
Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells

## GSN / Gelsolin Antibody (clone 3G5) - Protocols

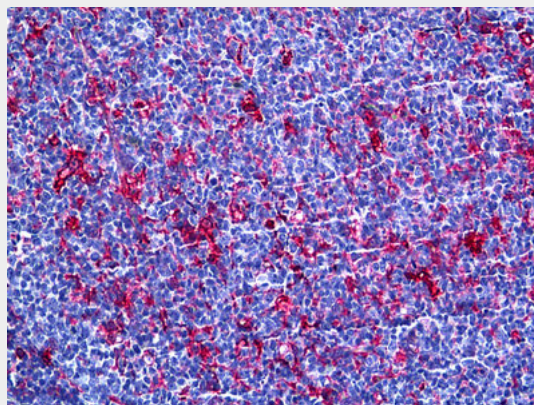
Provided below are standard protocols that you may find useful for product applications.

- [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).