

GSN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GSN.

Catalog # AT2272a

Specification

GSN Antibody (monoclonal) (M01) - Product Information

Application	IP, WB, IHC, E
Primary Accession	P06396
Other Accession	BC026033
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	85698

GSN Antibody (monoclonal) (M01) - Additional Information

Gene ID 2934

Other Names

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

Target/Specificity

GSN (AAH26033, 673 a.a. ~ 782 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

GSN Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

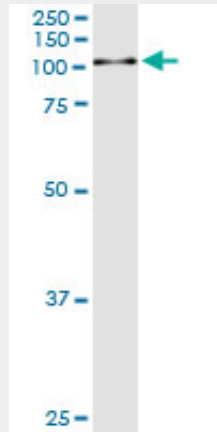
GSN Antibody (monoclonal) (M01) - Protocols

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

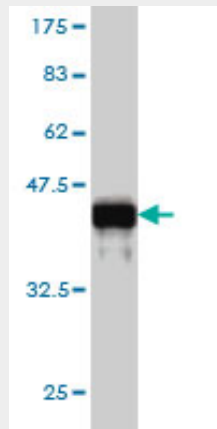
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

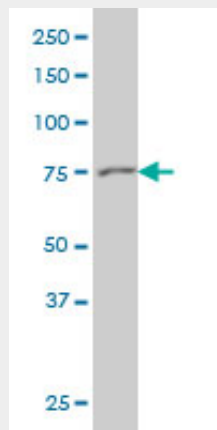
GSN Antibody (monoclonal) (M01) - Images



Immunoprecipitation of GSN transfected lysate using anti-GSN monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with GSN MaxPab rabbit polyclonal antibody.

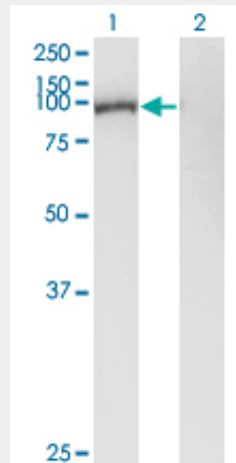


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .



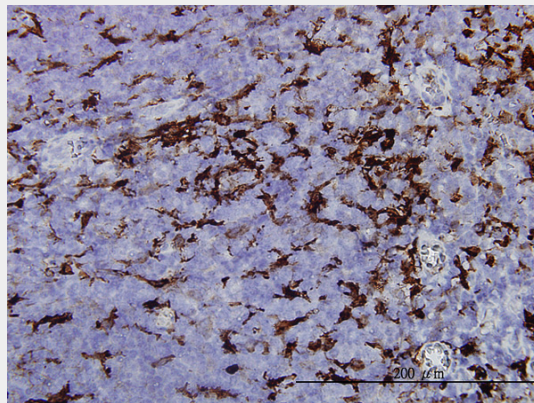
GSN monoclonal antibody (M01), clone 3G5 Western Blot analysis of GSN expression in HeLa (

(Cat # AT2272a)

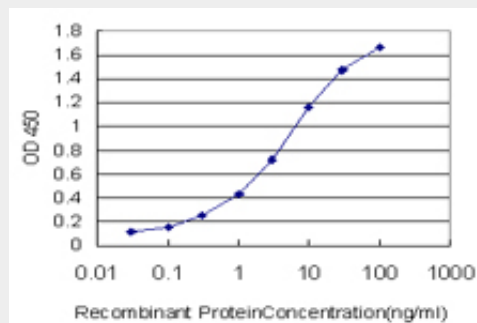


Western Blot analysis of GSN expression in transfected 293T cell line by GSN monoclonal antibody (M01), clone 3G5.

Lane 1: GSN transfected lysate(85.7 KDa).
 Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to GSN on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged GSN is approximately 0.03ng/ml as a capture antibody.

GSN Antibody (monoclonal) (M01) - Background

The protein encoded by this gene binds to the plus ends of actin monomers and filaments to prevent monomer exchange. The encoded calcium-regulated protein functions in both assembly

and disassembly of actin filaments. Defects in this gene are a cause of familial amyloidosis Finnish type (FAF). Multiple transcript variants encoding several different isoforms have been found for this gene.

GSN Antibody (monoclonal) (M01) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614. The potential role of plasma gelsolin in dialysis-related protein-energy wasting. Lee PS, et al. *Blood Purif*, 2010. PMID 20093811. Gelsolin in human colon adenocarcinoma cells with different metastatic potential. Litwin M, et al. *Acta Biochim Pol*, 2009. PMID 19956804. The 8 and 5 kDa fragments of plasma gelsolin form amyloid fibrils by a nucleated polymerization mechanism, while the 68 kDa fragment is not amyloidogenic. Solomon JP, et al. *Biochemistry*, 2009 Dec 8. PMID 19904968. Proteomics of tumor-specific proteins in cerebrospinal fluid of patients with astrocytoma: usefulness of gelsolin protein. Ohnishi M, et al. *Pathol Int*, 2009 Nov. PMID 19883430.