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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.

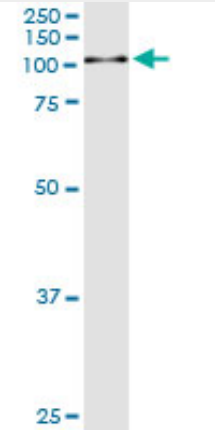
GSN Antibody (monoclonal) (M01) - Protocols

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

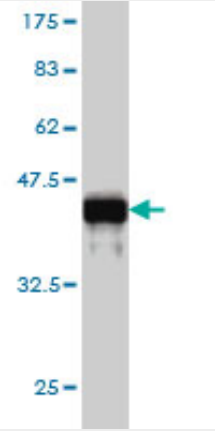
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

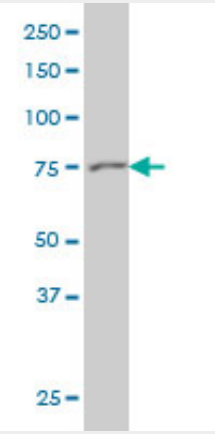
GSN Antibody (monoclonal) (M01) - Images



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

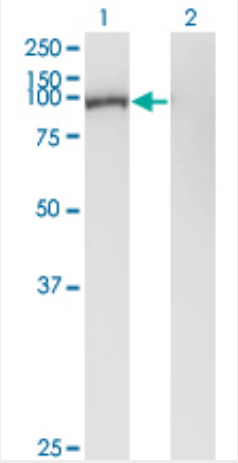


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



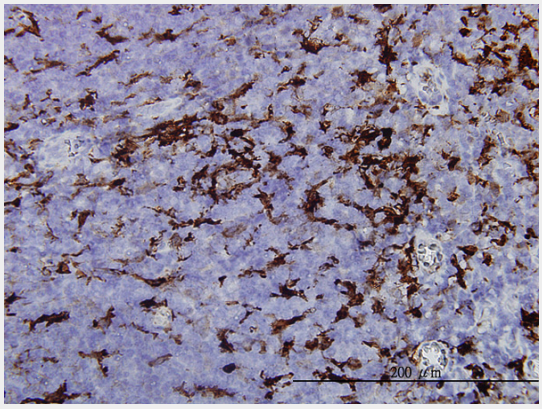
GSN monoclonal antibody (M01), clone 3G5 Western Blot analysis of GSN expression in HeLa (

(Cat # AT2272a)

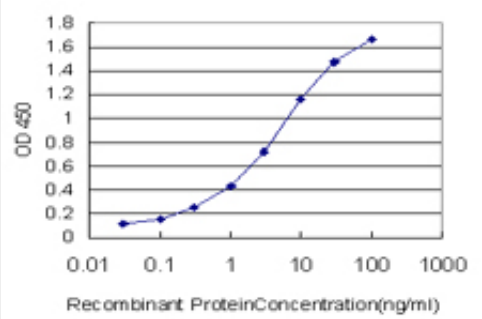


Western Blot analysis of GSN expression in transfected 293T cell line by GSN monoclonal antibody (M01), clone 3G5.

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.