

# Anti-Gelsolin Antibody (Monoclonal, GS-2C4)

Catalog # ABO10434

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC-P, IHC-F                                                                                                                                              |
| <b>Primary Accession</b> | <a href="#">Q68FP1</a>                                                                                                                                        |
| <b>Host</b>              | Mouse                                                                                                                                                         |
| <b>Isotype</b>           | Mouse IgG1                                                                                                                                                    |
| <b>Reactivity</b>        | Human                                                                                                                                                         |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                    |
| <b>Format</b>            | Lyophilized                                                                                                                                                   |
| <b>Description</b>       | Mouse IgG monoclonal antibody for Gelsolin, gelsolin (GSN) detection. Tested with WB, IHC-P, IHC-F in Human; rabbit. No cross reactivity with other proteins. |
| <b>Reconstitution</b>    | Add 1ml of PBS buffer will yield a concentration of 100ug/ml.                                                                                                 |

## Additional Information

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| <b>Gene ID</b>                  | 296654                                                                                                                                                                                                                 |
| <b>Other Names</b>              | Gelsolin, Actin-depolymerizing factor, ADF, Brevin, Gsn                                                                                                                                                                |
| <b>Calculated MW</b>            | 86068                                                                                                                                                                                                                  |
| <b>Application Details</b>      | Immunohistochemistry(Paraffin-embedded Section), 1-2 $\mu$ g/ml, Human, rabbit, By Heat<br><br>Immunohistochemistry(Frozen Section), 1-2 $\mu$ g/ml, Human, rabbit, -<br>Western blot, 0.5-1 $\mu$ g/ml, Human, rabbit |
| <b>Subcellular Localization</b> | Isoform 1: Secreted .                                                                                                                                                                                                  |
| <b>Tissue Specificity</b>       | GSN: Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells.                                                                                                                      |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                              |
| <b>Protein Name</b>             | Gelsolin                                                                                                                                                                                                               |
| <b>Contents</b>                 | Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative.                                                                                                                       |
| <b>Clone Names</b>              | GS-2C4                                                                                                                                                                                                                 |
| <b>Immunogen</b>                | Human plasma gelsolin.                                                                                                                                                                                                 |
| <b>Purification</b>             | Ascites                                                                                                                                                                                                                |

|                              |                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cross Reactivity</b>      | No cross reactivity with other proteins                                                                                                                                            |
| <b>Storage</b>               | At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
| <b>Sequence Similarities</b> | Belongs to the villin/gelsolin family.                                                                                                                                             |

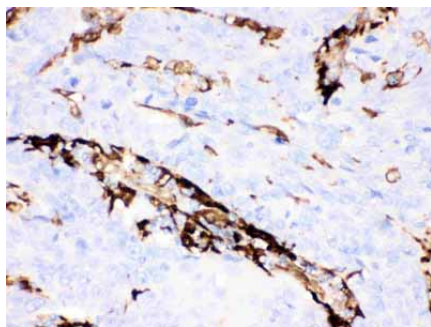
## Protein Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | Gsn                                                                                                                                                                                                                                                                                                                                                     |
| <b>Function</b>          | 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 (By similarity). Plays a role in ciliogenesis (By similarity). |
| <b>Cellular Location</b> | [Isoform 1]: Secreted.                                                                                                                                                                                                                                                                                                                                  |

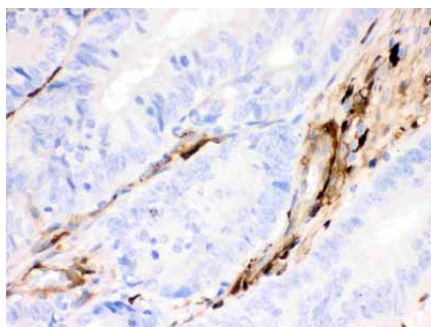
## Background

Gelsolin, a protein of leukocytes, platelets, and other cells, severs actin filaments in the presence of submicromolar calcium, thereby solating cytoplasmic actin gels. A gelsolin variant with 23 more N-terminal amino acids is a plasma component probably involved in the clearance of actin, the most abundant human protein, from the circulation. Gelsolin is located in 9q34. Plasma and cytoplasmic gelsolins are encoded by a single gene and contain a duplicated actin-binding domain.

## Images



Anti- Gelsolin antibody, ABO10434, IHC(P)IHC(P): Human Lung Cancer Tissue



Anti- Gelsolin antibody, ABO10434, IHC(P)IHC(P): Human Intestinal Cancer Tissue

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