

# Product Datasheet

## Geminin Antibody (1A8) H00051053-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00051053-M01****Geminin Antibody (1A8)**

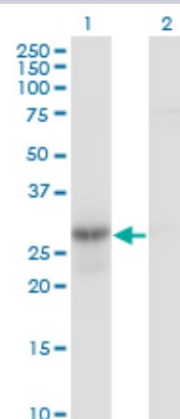
| <b>Product Information</b> |  |
|----------------------------|--|
| <b>Unit Size</b>           | 0.1 mg   |
| <b>Concentration</b>       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>           | Monoclonal   |
| <b>Clone</b>               | 1A8  |
| <b>Preservative</b>        | No Preservative  |
| <b>Isotype</b>             | IgG1 Kappa   |
| <b>Purity</b>              | IgG purified   |
| <b>Buffer</b>              | In 1x PBS, pH 7.4  |

| <b>Product Description</b>     |   |
|--------------------------------|---|
| <b>Host</b>                    | Mouse   |
| <b>Gene ID</b>                 | 51053   |
| <b>Gene Symbol</b>             | GMNN  |
| <b>Species</b>                 | Human   |
| <b>Specificity/Sensitivity</b> | GMNN - geminin, DNA replication inhibitor   |
| <b>Immunogen</b>               | GMNN (AAH05185, 110 a.a. ~ 209 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>LYEALKENEKHLHKEIEQKDNEIARLKKENKELAEVAEHVQYMAELIERLNGEPLD<br>NFESLDNQEFDSEEETVEDSLVEDSEIGTCAEGTVSSSTDAKPCI |
| <b>Notes</b>                   | This product is produced by and distributed for Abnova, a company based in Taiwan.  |

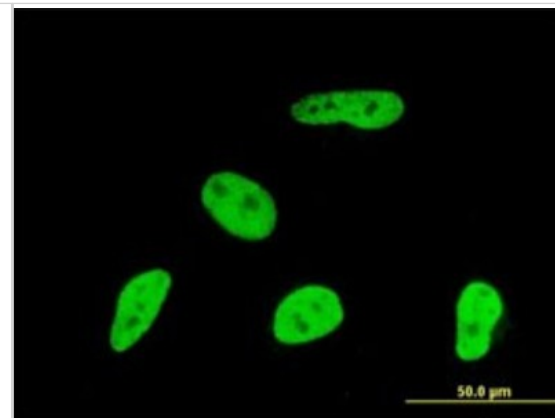
| <b>Product Application Details</b> |   |
|------------------------------------|---|
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin                  |
| <b>Recommended Dilutions</b>       | Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin            |
| <b>Application Notes</b>           | Antibody reactive against recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA. |

**Images**

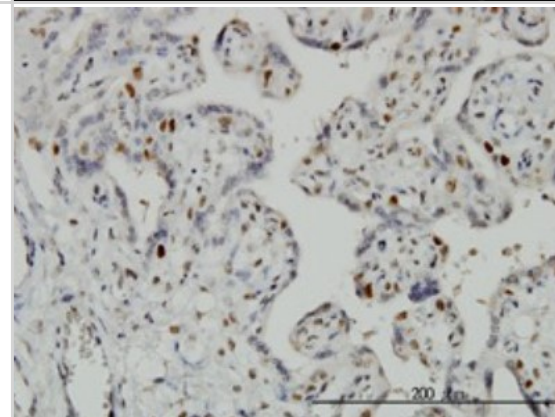
Western Blot: Geminin Antibody (1A8) [H00051053-M01] - Analysis of GMNN expression in transfected 293T cell line by GMNN monoclonal antibody (M01), clone 1A8. Lane 1: GMNN transfected lysate(23.6 KDa). Lane 2: Non-transfected lysate.



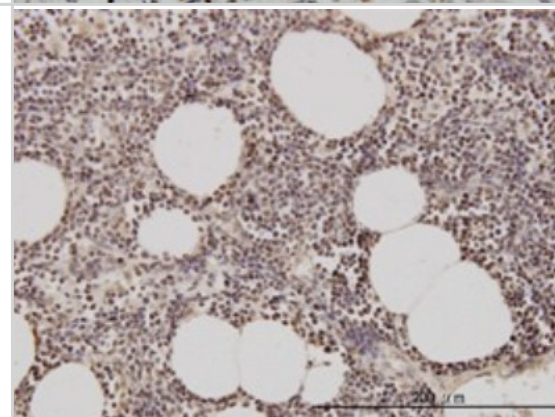
Immunocytochemistry/Immunofluorescence: Geminin Antibody (1A8) [H00051053-M01] - Analysis of monoclonal antibody to GMNN on HeLa cell . Antibody concentration 10 ug/ml.



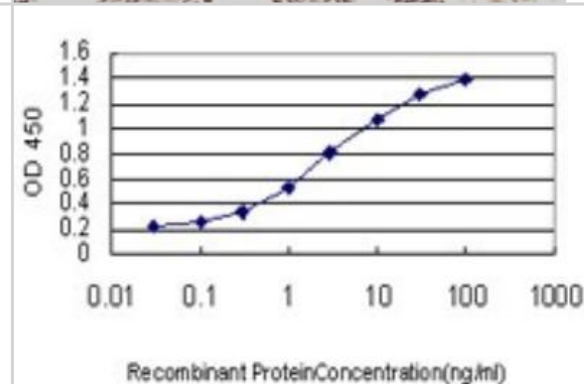
Immunohistochemistry-Paraffin: Geminin Antibody (1A8) [H00051053-M01] - Analysis of monoclonal antibody to GMNN on formalin-fixed paraffin-embedded human placenta. Antibody concentration 1 ug/ml.



Immunohistochemistry-Paraffin: Geminin Antibody (1A8) [H00051053-M01] - Analysis of monoclonal antibody to GMNN on formalin-fixed paraffin-embedded human lymph node. Antibody concentration 3 ug/ml.



ELISA: Geminin Antibody (1A8) [H00051053-M01] - Detection limit for recombinant GST tagged GMNN is approximately 0.03ng/ml as a capture antibody.



**Publications**

Nacson J, Kraiss JJ, Bernhardt AJ et al. BRCA1 Mutation-Specific Responses to 53BP1 Loss-Induced Homologous Recombination and PARP Inhibitor Resistance. Cell Rep Sep 25 2018 12:00AM [PMID: 30257212]

Wang Y, Bernhardt AJ, Cruz C et al. The BRCA1- $\delta$ 11q Alternative Splice Isoform Bypasses Germline Mutations and Promotes Therapeutic Resistance to PARP Inhibition and Cisplatin Cancer Res May 15 2016 12:00AM

Wang Y, Bernhardt AJ, Cruz C et al. The BRCA1- $\delta$ 11q Alternative Splice Isoform Bypasses Germline Mutations and Promotes Therapeutic Resistance to PARP Inhibition and Cisplatin Cancer Res 2016 May 15 [PMID: 27197267]





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### **Products Related to H00051053-M01**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]               |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)                         |
| NBC1-18423       | Recombinant Human Geminin His Protein                                 |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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