

Mouse anti-Human Geminin Monoclonal Antibody | anti-GMNN antibody

Geminin (GMNN, GEM, Geminin DNA Replication Inhibitor, DNA Replication Inhibitor, RP3-369A17.3)

CATALOG # AAA24039	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

Geminin; Monoclonal Antibody; Geminin (GMNN; GEM; Geminin DNA Replication Inhibitor; DNA Replication Inhibitor; RP3-369A17.3); Anti -Geminin (GMNN; anti-GMNN antibody

PRODUCT SPECIFICATIONS

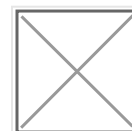
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1A8
Specificity	Recognizes human GMNN.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Sequence	LYEALKENEK LHKEIEQKDN EIARLKKENK ELAEVAEHVQ YMAELIERLN GEPLDNFESL DNQEFDSEEE TVEDSLVEDS EIGTCAEGTV SSSTDAKPCI
Applicable Applications for anti-GMNN antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Suitable for use in Immunofluorescence, ELISA, Western Blot and Immunohistochemistry. Dilution: Immunofluorescence: 10ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3ug/ml
Immunogen	Partial recombinant corresponding to aa110-209 from human GMNN (AAH05185) with GST tag. MW of the GST tag alone is 26kD.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

Western Blot detection against Immunogen (37kD).



Application Data

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

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to GMNN on HeLa cell . [antibody concentration 10ug/ml].

**IHC (Immunohistochemistry)**

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

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to GMNN on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3ug/ml].

**WB (Western Blot)**

Western Blot analysis of GMNN expression in transfected 293T cell line by GMNN monoclonal antibody.Lane 1: GMNN transfected lysate (23.6kD).Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-GMNN antibody	Geminin inhibits DNA replication by preventing the incorporation of MCM complex into the prereplication complex (pre-RC). It is absent during the G1 phase, accumulates during the S, G2, and M phases, and disappears during the metaphase-anaphase transition. Geminin contains 212 amino acids and has a destruction box sequence (RRTLKVIQP). Its destruction at the metaphase-anaphase transition permits replication in the succeeding cell cycle.
Product Categories/Family for anti-GMNN antibody	Antibodies ; Abs to DNA Replication ; Repair

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705682
NCBI GeneID	51053
NCBI Accession #	NP_056979.1
NCBI GenBank Nucleotide #	NM_015895.4
UniProt Accession #	O75496 ; Q9H1Z1 ; B3KMM8
Molecular Weight	23,565 Da
NCBI Official Full Name	geminin
NCBI Official Synonym Full Names	geminin, DNA replication inhibitor
NCBI Official Symbol	GMNN
NCBI Official Synonym Symbols	Gem
NCBI Protein Information	geminin
UniProt Protein Name	Geminin
UniProt Gene Name	GMNN
UniProt Entry Name	GEMI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/geminin-antibody-clone-1a8-western-blot-immunohistochemistry-immunofluorescence-elisa/24039>