

Geminin Antibody
Rabbit mAb
Catalog # AP91780**Specification****Geminin Antibody - Product Information**

Application	WB, IHC, ICC
Primary Accession	O75496
Clonality	Monoclonal
Other Names	
Gem; Geminin; GMNN;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	23565 Da

Geminin Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Geminin
Description	Inhibits DNA replication by preventing the incorporation of MCM complex into prereplication complex (pre-RC). It is degraded during the mitotic phase of the cell cycle. Its destruction at the metaphase-anaphase transition permits replication in the succeeding cell cycle.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Geminin Antibody - Protein Information**Name** GMNN**Function**

Inhibits DNA replication by preventing the incorporation of MCM complex into pre-replication complex (pre-RC) (PubMed:[14993212](http://www.uniprot.org/citations/14993212), PubMed:[20129055](http://www.uniprot.org/citations/20129055), PubMed:[24064211](http://www.uniprot.org/citations/24064211), PubMed:[9635433](http://www.uniprot.org/citations/9635433)). It is degraded during the mitotic phase of the cell cycle (PubMed:[14993212](http://www.uniprot.org/citations/14993212),

PubMed:24064211, PubMed:9635433). Its destruction at the metaphase- anaphase transition permits replication in the succeeding cell cycle (PubMed:14993212, PubMed:24064211, PubMed:9635433). Inhibits histone acetyltransferase activity of KAT7/HBO1 in a CDT1-dependent manner, inhibiting histone H4 acetylation and DNA replication licensing (PubMed:20129055). Inhibits the transcriptional activity of a subset of Hox proteins, enrolling them in cell proliferative control (PubMed:22615398).

Cellular Location

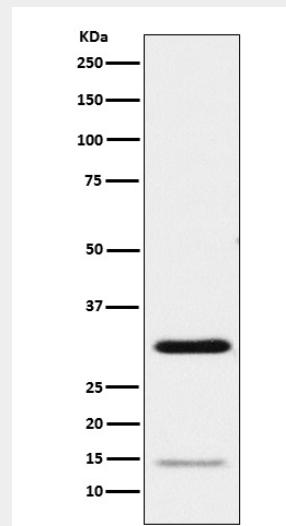
Cytoplasm. Nucleus. Note=Mainly cytoplasmic but can be relocalized to the nucleus.

Geminin Antibody - 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](#)

Geminin Antibody - Images



Western blot analysis of Geminin expression in HeLa cell lysate.