

# Geminin Rabbit mAb

Catalog # AP74815

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">O75496</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	23565

## Additional Information

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<b>Gene ID</b>	51053
<b>Other Names</b>	GMNN
<b>Dilution</b>	WB~~1:500-1:1000 IHC-P~~N/A
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

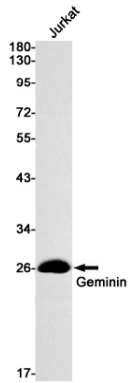
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<b>Name</b>	GMNN
<b>Function</b>	Inhibits DNA replication by preventing the incorporation of MCM complex into pre-replication complex (pre-RC) (PubMed: <a href="#">14993212</a> , PubMed: <a href="#">20129055</a> , PubMed: <a href="#">24064211</a> , PubMed: <a href="#">9635433</a> ). It is degraded during the mitotic phase of the cell cycle (PubMed: <a href="#">14993212</a> , PubMed: <a href="#">24064211</a> , PubMed: <a href="#">9635433</a> ). Its destruction at the metaphase- anaphase transition permits replication in the succeeding cell cycle (PubMed: <a href="#">14993212</a> , PubMed: <a href="#">24064211</a> , PubMed: <a href="#">9635433</a> ). Inhibits histone acetyltransferase activity of KAT7/HBO1 in a CDT1-dependent manner, inhibiting histone H4 acetylation and DNA replication licensing (PubMed: <a href="#">20129055</a> ). Inhibits the transcriptional activity of a subset of Hox proteins, enrolling them in cell proliferative control (PubMed: <a href="#">22615398</a> ).
<b>Cellular Location</b>	Cytoplasm. Nucleus. Note=Mainly cytoplasmic but can be relocalized to the nucleus.

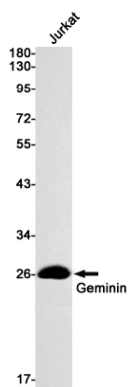
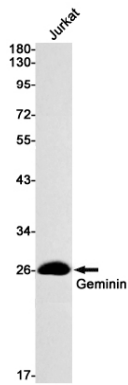
## Background

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.

## Images



Western blot analysis of Geminin in Jurkat lysates using Geminin antibody.



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