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Anti-Geminin Antibody (clone 1A8)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17716

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	O75496
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	1A8
Calculated MW	23565
Concentration (mg/ml)	0.49 mg/ml

Additional Information

Gene ID	51053
Alias Symbol	GMNN
Other Names	GMNN, Geminin
Target/Specificity	Human Geminin
Reconstitution & Storage	Protein A purified
Precautions	Anti-Geminin Antibody (clone 1A8) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GMNN
Function	Inhibits DNA replication by preventing the incorporation of MCM complex into pre-replication complex (pre-RC) (PubMed:14993212, PubMed:20129055, PubMed:24064211, PubMed:9635433). It is degraded during the mitotic phase of the cell cycle (PubMed: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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.