

Datasheet for ABIN1574066
anti-Geminin antibody (AA 50-100)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	40 µg
Target:	Geminin (GMNN)
Binding Specificity:	AA 50-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Geminin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	KLH-coupled synthetic peptide within AA 50-100 of human geminin protein .
Isotype:	IgG
Specificity:	Geminin Antibody, pAb, Rabbit detects endogenous levels of human geminin protein.
Purification:	Immunoaffinity chromatography

Target Details

Target:	Geminin (GMNN)
Alternative Name:	Geminin (GMNN Products)
Background:	Geminin inhibits DNA replication by preventing the incorporation of the MCM complex into the prereplication complex (pre-RC). It is absent during the G1 phase, accumulates during the S, G2,

Target Details

and M phases, and disappears at the time of the metaphase-anaphase transition. Geminin contains 212 amino acids and has a destruction box sequence of RRTLKVIQP. Its destruction at the metaphase-anaphase transition permits replication in the succeeding cell cycle. Geminin Antibody, pAb, Rabbit is developed in rabbit hosts using a KLH-coupled synthetic peptide within residues 50-100 of human geminin protein (Swiss Prot: 075496).

Pathways: [EGFR Signaling Pathway](#), [DNA Replication](#)

Application Details

Application Notes: Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/mL

Western blot: 0.5-1 µg/mL Flow cytometry: 1-3 µg for 1 x 10⁶ cells Other applications: user-optimized

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4, containing 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

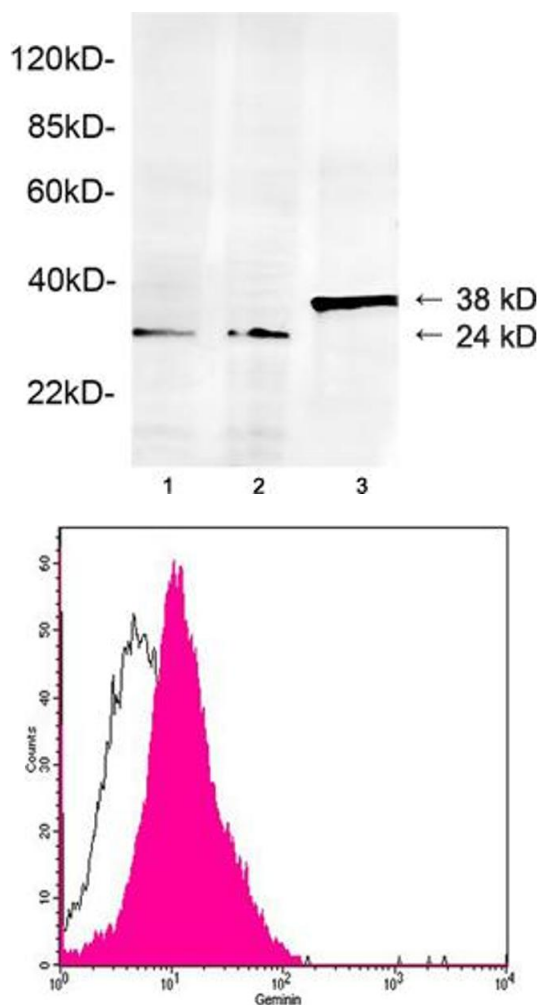
Storage: 4 °C/-20 °C

Storage Comment: The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody

can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below.
Avoid repeated freezing and thawing cycles.

Publications

- Product cited in:
- Wayua, Low: "Evaluation of a cholecystokinin 2 receptor-targeted near-infrared dye for fluorescence-guided surgery of cancer." in: **Molecular pharmaceuticals**, Vol. 11, Issue 2, pp. 468-76, (2014) ([PubMed](#)).
- Galatola, Vasconcelos, Pérez, Cruz, Pujol, Alsina, Gómara, Haro: "A cyclic GB virus C derived peptide with anti-HIV-1 activity targets the fusion peptide of HIV-1." in: **European journal of medicinal chemistry**, Vol. 86, pp. 589-604, (2014) ([PubMed](#)).
- Fragoso, Lamosa, Delgado, Irazo: "Harnessing the flexibility of peptidic scaffolds to control their copper(II)-coordination properties: a potentiometric and spectroscopic study." in: **Chemistry (Weinheim an der Bergstrasse, Germany)**, Vol. 19, Issue 6, pp. 2076-88, (2013) ([PubMed](#)).
- Fernández, Chan, Egido, Gómara, Haro: "Synthetic peptides derived from an N-terminal domain of the E2 protein of GB virus C in the study of GBV-C/HIV-1 co-infection." in: **Journal of peptide science : an official publication of the European Peptide Society**, Vol. 18, Issue 5, pp. 326-35, (2012) ([PubMed](#)).
- Wang, Zhang, Wooley, Taylor: "Imaging mRNA Expression in Live Cells via PNA-DNA Strand Displacement-Activated Probes." in: **Journal of nucleic acids**, Vol. 2012, pp. 962652, (2012) ([PubMed](#)).



Western Blotting

Image 1. Lane 1: Hela cell lysate Lane 2: HEK293 cell lysate Lane 3: Recombinant human Geminin protein Western blot analysis of cell lysates and recombinant human Geminin protein using 1 µg/mL Rabbit Anti-Geminin Polyclonal Antibody (ABIN398787) The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.

Flow Cytometry

Image 2. Flow cytometric analysis of HeLa cells using Geminin Antibody, pAb, Rabbit (ABIN398787, shaded histogram) or with an isotype control antibody (ABIN398653, open histogram), followed by R-PE conjugated anti-rabbit IgG.