

Anti-GMNN Antibody (6Z839)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6Z839
Purification:	Affinity-chromatography

Applications

Verified Activity:	Immunofluorescence staining of Hela Cells with TMAH-00498 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).
Application:	ELISA, IF
Recommended	IF:1:20-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human Geminin
Antigen Species:	Human
Gene ID:	51053
Uniprot ID:	O75496
Synonyms:	Geminin
Biology Area:	Epigenetics and Nuclear Signaling, Cancer

Research Background

Inhibits DNA replication by preventing the incorporation of MCM complex into pre-replication 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. Inhibits histone acetyltransferase activity of KAT7/HBO1 in a CDT1-dependent manner, inhibiting histone H4 acetylation and DNA replication licensing. Inhibits the transcriptional activity of a subset of Hox proteins, enrolling them in cell proliferative control.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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