

[KO Validated] Ki67 Rabbit pAb

Catalog No.: A2094SP **KO Validated** **121 Publications**

Basic Information

Observed MW

300 kDa and below

Calculated MW

319 kDa/359 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Human, Mouse

Background

Enables protein C-terminus binding activity. Involved in regulation of chromosome segregation and regulation of mitotic nuclear division. Located in chromosome; nuclear body; and nucleolus. Colocalizes with condensed chromosome. Implicated in Crohn's disease; breast cancer; human immunodeficiency virus infectious disease; and pancreatic cancer. Biomarker of several diseases, including Barrett's esophagus; autoimmune disease of musculoskeletal system (multiple); endocrine gland cancer (multiple); gastrointestinal system cancer (multiple); and interstitial cystitis.

Recommended Dilutions

WB 1:3000 - 1:9000

IF/ICC 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

4288

Swiss Prot

P46013

Immunogen

This information is considered to be commercially sensitive.

Synonyms

KIA; MIB-; MIB-1; PPP1R105; Ki67

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

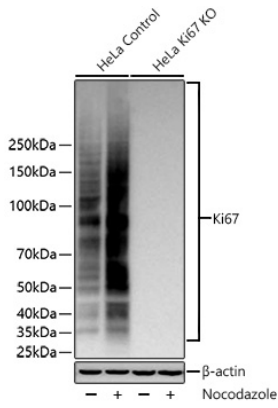
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Validation Data



Western blot analysis of lysates from wild type (WT) and Ki67 knockout (KO) HeLa cells using [KO Validated] Ki67 Rabbit pAb (A2094SP) at 1:9000 dilution incubated overnight at 4°C. HeLa cells were treated with Nocodazole (1 µg/mL) at 37°C for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.