

[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, Rat

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 1:200 - 1:400

IHC-P 1:200 - 1:800

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

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

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

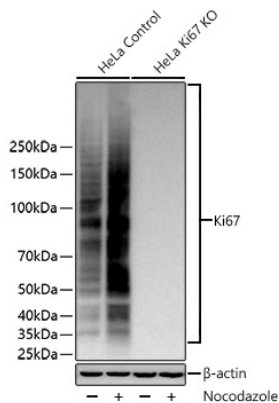
Store at -20°C. Avoid freeze / thaw cycles.

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.

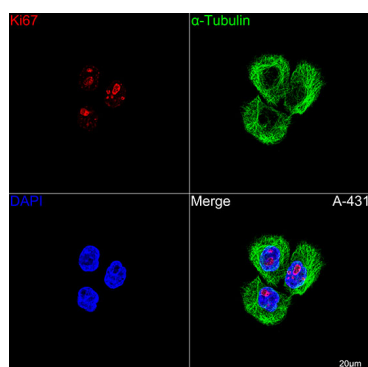


www.abclonal.com.cn

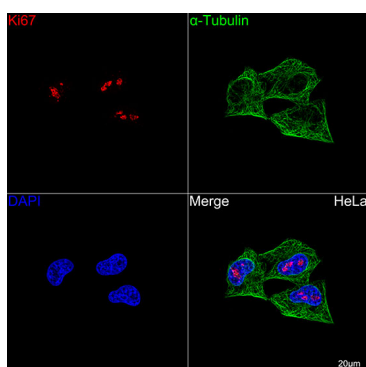
Validation Data



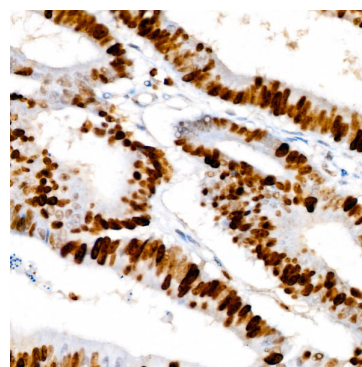
Western blot analysis of lysates from wild type (WT) and Ki67 knockout (KO) HeLa cells using [KO Validated] Ki67 Rabbit pAb (A2094SP) at 1:9000 dilution incubated overnight at 4°C. HeLa cells were treated with Nocodazole (1 µg/mL) at 37°C for 24 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit 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.



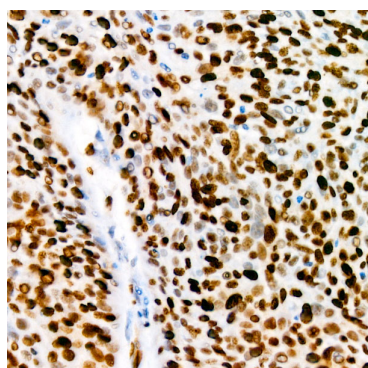
Confocal imaging of A-431 cells using [KO Validated] Ki67 Rabbit pAb (A2094SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



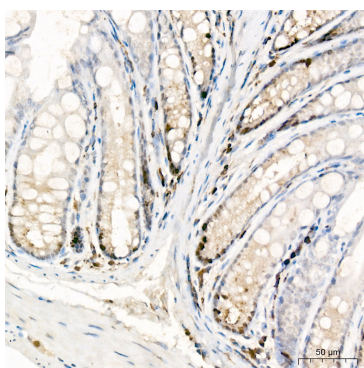
Confocal imaging of HeLa cells using [KO Validated] Ki67 Rabbit pAb (A2094SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] Ki67 Rabbit pAb (A2094SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using [KO Validated] Ki67 Rabbit pAb (A2094SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using [KO Validated] Ki67 Rabbit pAb (A2094SP) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.