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[KO Validated] Ki67 Rabbit mAb

Catalog No.: A20018 KO Validated Recombinant 47 Publications

Basic Information

Observed MW
359 kDa□□□

Calculated MW
359 kDa

Category
Primary antibody

Applications
WB,IF/ICC,IHC-P,mIHC,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC5050-01

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	1:2000 - 1:10000
IF/ICC	1:50 - 1:200
IHC-P	1:200 - 1:800
mIHC	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4288

Swiss Prot
P46013

Immunogen
Synthetic peptide. 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℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

400-999-6126

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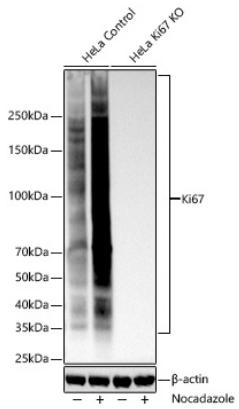
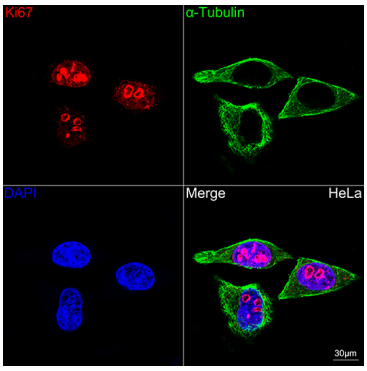
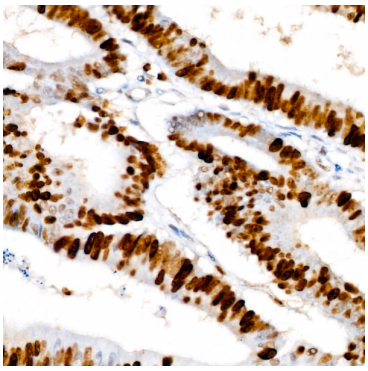
Validation Data



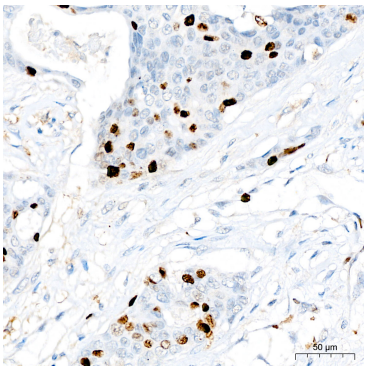
Western blot analysis of lysates from wild type (WT) and Ki67 knockout (KO) HeLa cells using [KO Validated] Ki67 Rabbit mAb (A20018) at 1:5000 dilution incubated overnight at 4℃. HeLa cells were treated with Nocadazole (1 μg/mL) at 37℃ for 16 hours
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



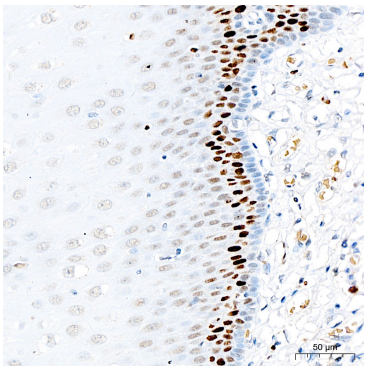
Confocal imaging of HeLa cells using [KO Validated] Ki67 Rabbit mAb (A20018, dilution 1:100)(Red) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



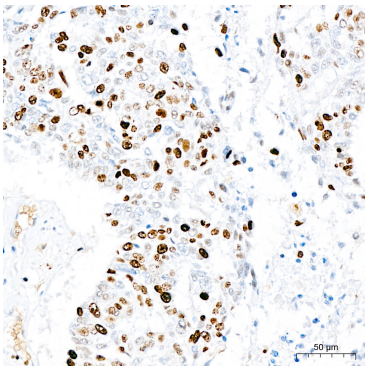
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] Ki67 Rabbit mAb (A20018) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



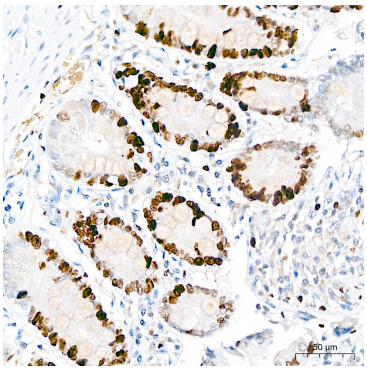
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using [KO Validated] Ki67 Rabbit mAb (A20018) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using [KO Validated] Ki67 Rabbit mAb (A20018) 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.

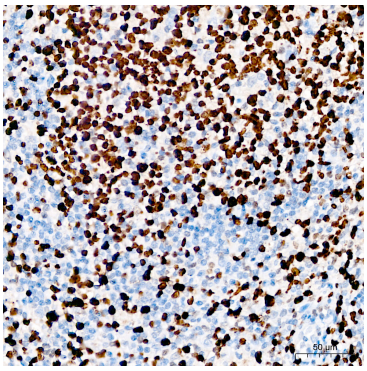


Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using [KO Validated] Ki67 Rabbit mAb (A20018) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

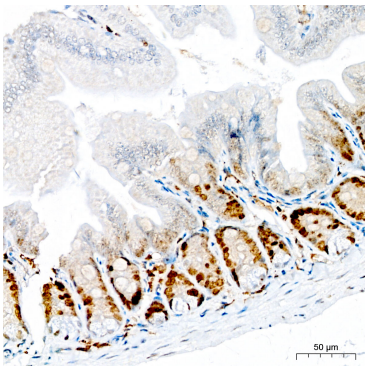


Immunohistochemistry analysis of paraffin-embedded Human small intestine tissue using [KO Validated] Ki67 Rabbit mAb (A20018) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

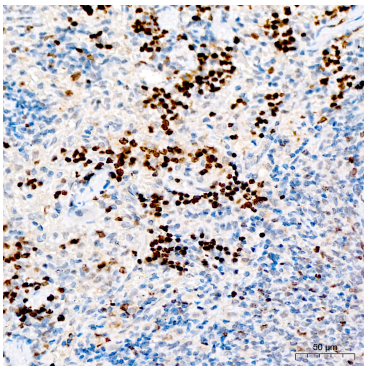
Validation Data



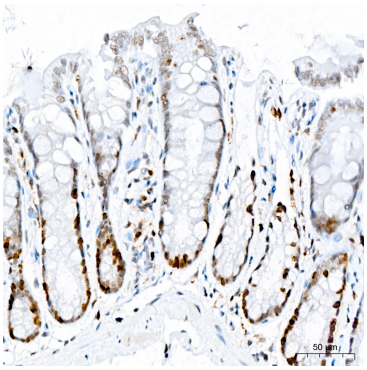
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using [KO Validated] Ki67 Rabbit mAb (A20018) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



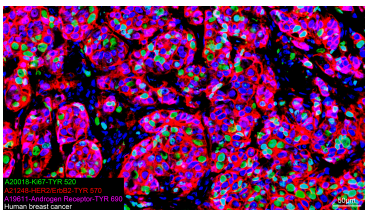
Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using [KO Validated] Ki67 Rabbit mAb (A20018) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using [KO Validated] Ki67 Rabbit mAb (A20018) 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 Rat colon tissue using [KO Validated] Ki67 Rabbit mAb (A20018) 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.



The multiplex IHC analysis on paraffin-embedded Human breast cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-520 (Green), HER2/ErbB2 Rabbit mAb (A21248, 1:200) with TSA-TYR-570 (Red), and Androgen Receptor Rabbit mAb (A19611, 1:400) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.