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Ki67 Rabbit mAb

Catalog No.: A23722 Recombinant 6 Publications

Basic Information

Observed MW
Refer to figures

Calculated MW
359kDa

Category
Primary antibody

Applications
IHC-P,IF/ICC,FC,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC57561

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

IHC-P	1:1000 - 1:4000
IF/ICC	1:200 - 1:800
FC	1:50-1:200
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

Contact

400-999-6126

cn.market@abclonal.com.cn

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Product Information

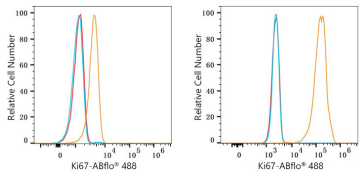
Source
Rabbit

Isotype
IgG

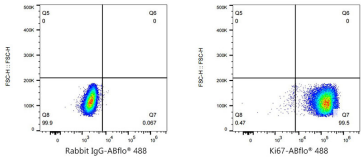
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

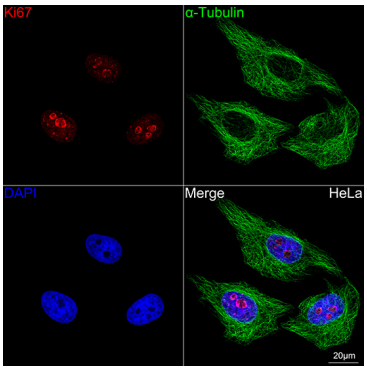
Validation Data



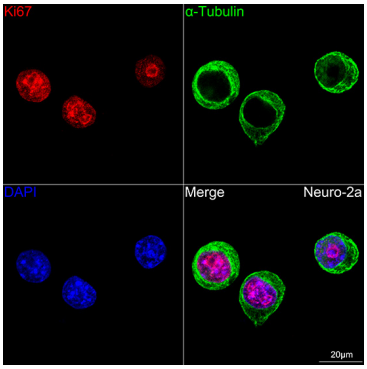
Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and HeLa cells (right) were intracellularly-stained with Ki67 Rabbit mAb (A23722,2 μg/mL,orange line) or Rabbit IgG isotype control (AC042,2 μg/mL,blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



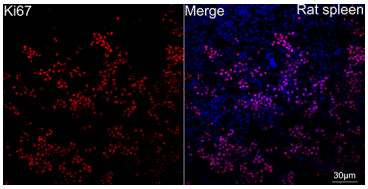
Flow cytometry: 1X10^6 HeLa cells were intracellularly-stained with Rabbit IgG isotype control (AC042,2 μg/mL,left) or Ki67 Rabbit mAb (A23722,2 μg/mL,right), followed by FITC conjugated goat anti-Rabbit pAb staining.



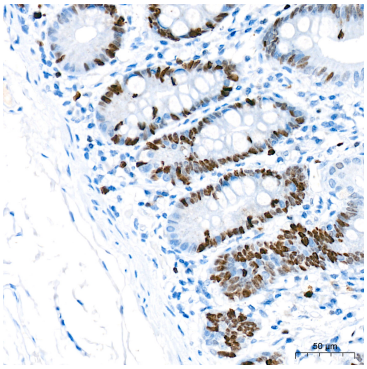
Confocal imaging of HeLa cells using Ki67 Rabbit mAb (A23722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



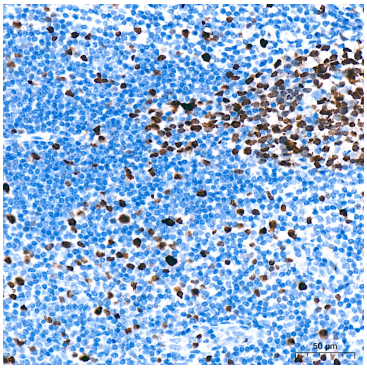
Confocal imaging of Neuro-2a cells using Ki67 Rabbit mAb (A23722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



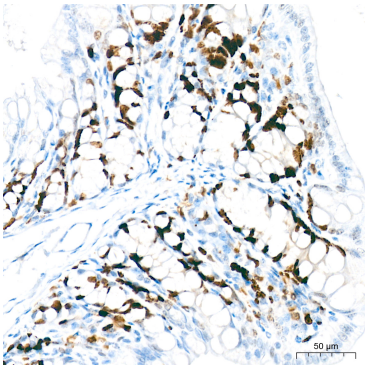
Confocal imaging of paraffin-embedded Rat spleen tissue using Ki67 Rabbit mAb (A23722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



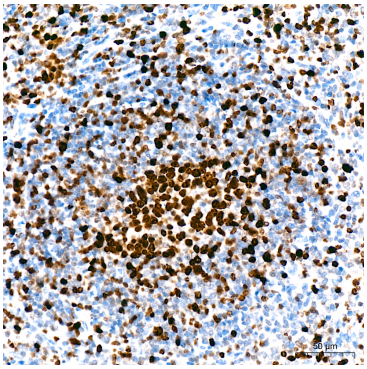
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Ki67 Rabbit mAb (A23722) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Ki67



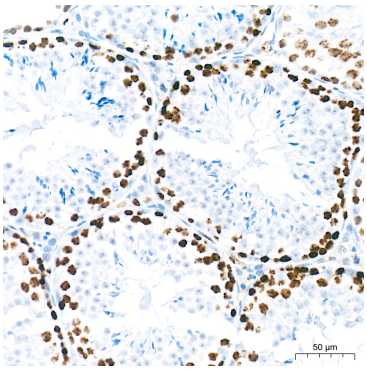
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Ki67



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Ki67

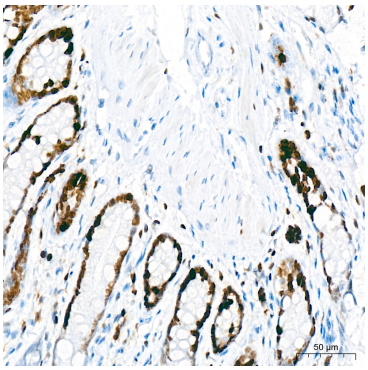
Validation Data

Rabbit mAb (A23722) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



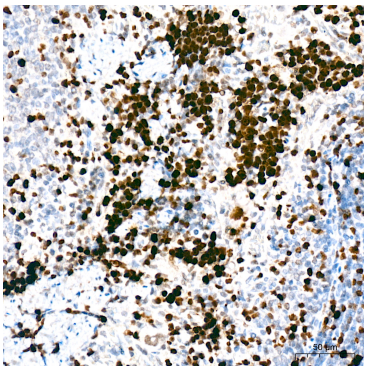
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Ki67 Rabbit mAb (A23722) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Rabbit mAb (A23722) at a dilution of 1:1300 (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 Ki67 Rabbit mAb (A23722) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

Rabbit mAb (A23722) at a dilution of 1:1300 (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 spleen tissue using Ki67 Rabbit mAb (A23722) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.