# Ki67 Rabbit mAb

Catalog No.: A23722 Recombinant 6 Publications



### **Basic Information**

#### **Observed MW**

Refer to figures

#### **Calculated MW**

359kDa

# Category

Primary antibody

### **Applications**

IF/ICC,IF-P,IHC-P,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**

**IF/ICC** 1:200 - 1:800

**IF-P** 1:200 - 1:800

IHC-P 1:1000 - 1:4000

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

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$\bowtie$		cn.market@abclonal.com.cn
<u></u>		www.abclonal.com.cn

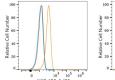
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. 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.



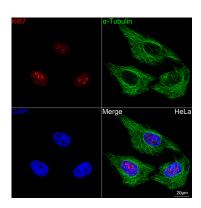




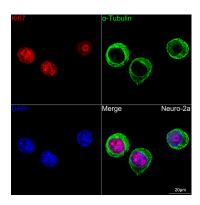


Flow cytometry: 1X10^6 knockout (KO) HeLa cells (negative control,left) and HeLa cells (right) were intracellularly-stained with Ki67 Rabbit mAb (A23722,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently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

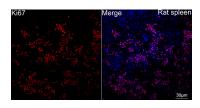
Flow cytometry: 1X10^6 HeLa cells were intracellularly-stained with Rabbit IgG isotype control (AC042,2  $\mu$ g/mL,left) or Ki67 Rabbit mAb (A23722,2  $\mu$ g/mL,right), followed by FITC conjugated goat anti-Rabbit pAb staining.



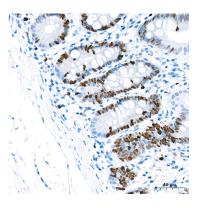
Confocal imaging of HeLa cells using Ki67 Rabbit mAb (A23722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha\textsc{-}$ Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with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



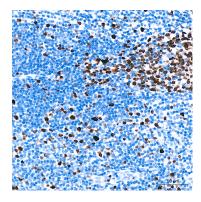
Confocal imaging of Neuro-2a cells using Ki67 Rabbit mAb (A23722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo®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



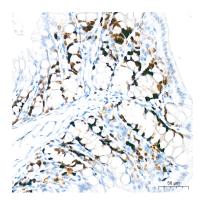
Confocal imaging of paraffin-embedded Rat spleen tissue using Ki67 Rabbit mAb (A23722, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate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



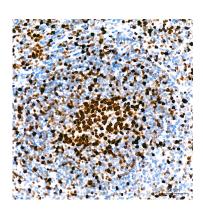
Immunohistochemistry analysis of paraffinembedded Human colon tissue using Ki67 Rabbit mAb (A23722) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human tonsil tissue using Ki67

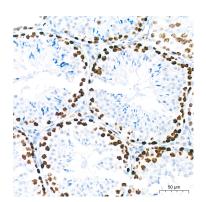


Immunohistochemistry analysis of paraffinembedded Mouse colon tissue using Ki67



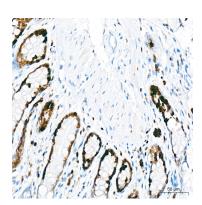
Immunohistochemistry analysis of paraffinembedded Mouse spleen tissue using Ki67

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.



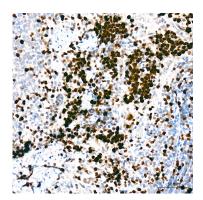
Immunohistochemistry analysis of paraffinembedded Mouse testis tissue using Ki67 Rabbit mAb (A23722) at a dilution of 1:1300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

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 paraffinembedded 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 paraffinembedded 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.