



碧云天生物技术/Beyotime Biotechnology
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 技术咨询: info@beyotime.com
 网址: http://www.beyotime.com

Ki67 Rabbit Polyclonal Antibody

| 产品编号 | 产品名称 | 包装 |
|--------------|---------------------------------|-------|
| AB2008-50μl | Ki67 Rabbit Polyclonal Antibody | 50μl |
| AB2008-200μl | Ki67 Rabbit Polyclonal Antibody | 200μl |

产品简介:

| 来源 | 用途 | 交叉反应性 | 理论分子量 | 实际分子量 |
|--------|-------------------|---------|--------|--------|
| Rabbit | WB, IF/ICC, IHC-P | H, M, R | 359kDa | 359kDa |

WB, Western blot; IF, Immunofluorescence; ICC, Immunocytochemistry; IHC-P, Immunohistochemistry-Paraffin.
 H, Human; M, Mouse; R, Rat.

- 配套提供了Western一抗稀释液, 可以用于Western检测或其它适当用途时的一抗稀释。
- 建议抗体使用时的稀释比例如下(实际使用时需根据抗原水平的高低作适当调整):

| WB | IP | IF/ICC | IHC-P | mIHC-P | FC | ChIP | ChIP-seq |
|--------------|----|------------|------------|--------|----|------|----------|
| 1:500-1:2000 | NT | 1:50-1:200 | 1:50-1:200 | NT | NT | NT | NT |

NT, not tested.

- 抗体详细信息如下:

| About this Antibody | |
|---------------------|--|
| Name | Ki67 Rabbit Polyclonal Antibody |
| Category | Rabbit Polyclonal Antibody (pAb); Primary antibody; Unmodified antibody |
| Isotype | IgG |
| Purification method | Protein A affinity purification |
| Positive samples | - |
| Cellular location | Cell nucleus |
| Customer validation | - |
| About the Immunogen | |
| Immunogen | Recombinant protein |
| Sequence | - |
| Gene ID | 4288 |
| Swiss Prot | P46013 |
| Synonyms | MKI67 |
| Category | Organelle Markers; Cell Cycle Related |
| Background | Ki67 is a nuclear protein that expressed in proliferating cells and it is required for evaluating cell proliferation [1]. Ki67 has been used as a marker for cell proliferation of solid tumors and some hematological malignancies [2]. It has been demonstrated that a correlation between Ki67 index and the histopathological grade of neoplasms. And the assessment of Ki67 expression in renal and ureter tumors shows a correlation between tumor proliferation and disease progression, thus making it possible to differentiate high-risk patients. Ki67 expression may be important for distinguishing between malignant and benign peripheral nerve sheath tumors [3]. Ki67 plays an important role in keeping individual mitotic chromosome dispersing in the cytoplasm after nuclear membrane disintegration. |

包装清单:

| 产品编号 | 产品名称 | 包装 |
|-------------|---------------------------------|------|
| AB2008-50μl | Ki67 Rabbit Polyclonal Antibody | 50μl |
| AZ050 | Western一抗稀释液 | 50ml |

| | | |
|---|-----|----|
| — | 说明书 | 1份 |
|---|-----|----|

| 产品编号 | 产品名称 | 包装 |
|--------------|---------------------------------|-------|
| AB2008-200μl | Ki67 Rabbit Polyclonal Antibody | 200μl |
| AZ200 | Western一抗稀释液 | 200ml |
| — | 说明书 | 1份 |

保存条件：

Ki67 Rabbit Polyclonal Antibody -20°C保存，Western一抗稀释液-20°C或4°C保存，一年有效。Western一抗稀释液优先推荐4°C保存，长期不使用可以考虑-20°C保存，但冻融可能会导致出现轻微的浑浊和少量不溶物。

注意事项：

- 如果本抗体用于Western blot (WB)、免疫荧光(IF)、免疫细胞化学(ICC)等实验，请注意回收使用过的稀释抗体。回收的抗体通常至少可以重复使用5-10次。稀释后的抗体，包括已经使用过的稀释抗体，请4°C保存。
- 回收后重复使用的抗体，使用方法同新鲜稀释的抗体。如果在重复使用过程中发现抗体出现轻微混浊现象，可以10,000×g离心1-3分钟，取上清用于后续检测。如果回收的抗体出现明显的絮状物或长霉长菌等情况，则可以考虑废弃该抗体。
- 提供的Western一抗稀释液也可以用于免疫荧光(IF)、免疫组化(IHC)、免疫细胞化学(ICC)等适当用途。如果希望获得最佳的检测效果，请考虑使用上述检测专用的一抗稀释液。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

请根据抗体的实际用途选择相应的使用方法。

1. Western检测：

- 按照推荐的稀释比例用碧云天提供的Western一抗稀释液稀释抗体。
- 把经过封闭的蛋白膜与稀释好的一抗4°C缓慢摇动过夜或室温缓慢摇动2小时，确保稀释的抗体至少能在摇动的瞬间覆盖蛋白膜。
- 回收稀释的一抗，4°C保存以备下次继续使用。
- 按照Western的实验步骤进行后续的洗涤、二抗孵育、洗涤和检测等操作。具体操作可以参考如下网页：
<http://www.beyotime.com/support/western.htm>

2. 免疫染色：

可以使用碧云天生产的免疫染色一抗稀释液(P0103)稀释抗体，使用后注意回收稀释好的一抗，具体操作可以参考如下网页：
<http://www.beyotime.com/support/immunol-staining.htm>

3. 其它实验操作请自行参考适当的protocol进行。

4. 本抗体相关应用的代表性图片请参见Fig. 1-3。

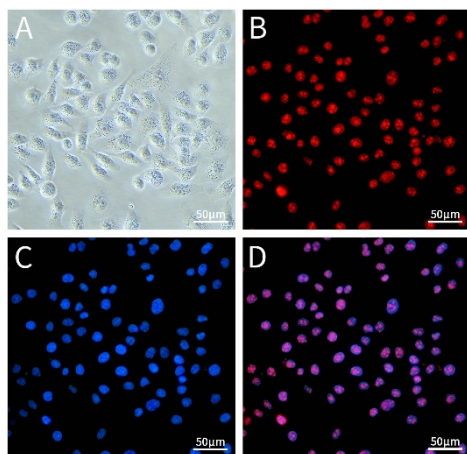


Fig. 1. Immunofluorescence analysis of HeLa cells using Ki67 Rabbit Polyclonal antibody (AB2008) at a dilution of 1:100. Secondary antibody Cy3-labeled Goat Anti-Rabbit IgG (H+L) (A0516) was used at 1:500 dilution. A, Brightfield. B, Red: Immunofluorescence image of HeLa cells stained red for Ki67. C, Blue: DAPI for nuclear staining. D, merged image for B and C.

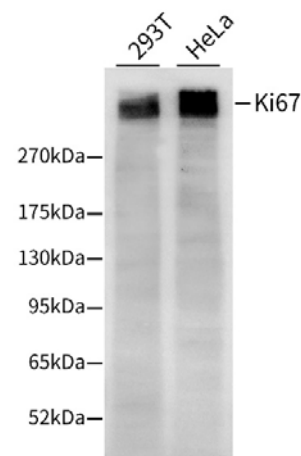


Fig. 2. Western blot analysis of extracts of indicated cell lines using Ki67 Rabbit Polyclonal antibody (AB2008) at 1:1000 dilution. Secondary antibody HRP-labeled Goat Anti-Rabbit IgG (H+L) (A0208) at 1:2000 dilution. Lysates were analyzed with 25μg protein per lane. Blocking with QuickBlock™ Blocking Buffer (P0231), and visualization with BeyoECL Star (P0018A). Exposure time: 1.5s.

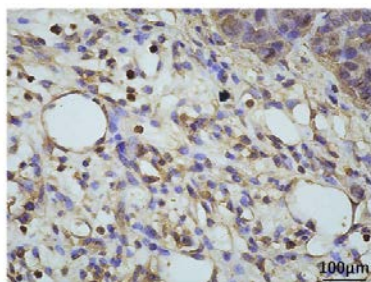


Fig. 3. Immunohistochemistry of a section of paraffin-embedded HepG2 xenograft from a mouse using Ki67 Rabbit Polyclonal antibody (AB2008) at a dilution of 1:100. Secondary antibody HRP-labeled Goat Anti-Rabbit IgG (H+L) (A0208) was used at 1:1000 dilution.

参考文献:

1. Yang C, Zhang J, Ding M, Xu K, Li L, et al. Clin Transl Oncol. 2018. 20(5):570-575.
2. Li LT, Jiang G, Chen Q, Zheng JN. Mol Med Rep. 2015. 11(3):1566-72.
3. Wang HJ, Li CY, Wang YK. Int J Clin Exp Pathol. 2014. 7(12):8899-904.

相关产品:

| 产品编号 | 产品名称 | 包装 |
|---------------|-----------------------------------|-------------|
| AF1738 | Ki67 Rabbit Monoclonal Antibody | 50µl |
| AG2646 | Ki67 Rabbit Monoclonal Antibody | 50µl |
| AB2008 | Ki67 Rabbit Polyclonal Antibody | 50µl/200µl |
| E6001 | MiniProGel™蛋白制胶与电泳系统(4胶) | 1套 |
| E6050 | MiniBlot™蛋白转膜系统 | 1套 |
| E6150 | MiniProGel™蛋白制胶、电泳与转膜系统(2胶/2膜) | 1套 |
| E6155 | MiniProGel™蛋白制胶、电泳与转膜系统(4胶/2膜) | 1套 |
| E6080 | BeyoPower™中电流电源(300V/600mA/100W) | 1套 |
| E6085 | BeyoPower™高电流电源(300V/2000mA/200W) | 1套 |
| FFP24 | PVDF膜(进口分装, 6.6×8.5cm, 0.2µm) | 20张/包装 |
| FFP32 | PVDF膜(进口分装, 6.6×8.5cm, 0.45µm) | 20张/包装 |
| FFP51 | 转印滤纸(7.5×10cm) | 100张/包装 |
| FFX050-FFX055 | Western洗膜盒 | 1个/包装 |
| P0014A/P0014B | SDS-PAGE电泳液(Tris-Gly, Powder) | 1L/10L |
| P0015/P0015L | SDS-PAGE蛋白上样缓冲液(5X) | 2ml/15ml |
| P0015F | SDS-PAGE蛋白上样缓冲液(6X) | 2ml |
| P0017F | BeyoBlue™考马斯亮蓝超快染色液 | 250ml |
| P0018A | BeyoECL Star (特超敏ECL化学发光试剂盒) | 100ml/500ml |
| P0018F | BeyoECL Moon (极超敏ECL化学发光试剂盒) | 100ml/500ml |
| P0021A | Western转膜液 | 1L |
| P0021S | PVDF膜浸润活化液 | 250ml |
| P0022 | 丽春红染色液 | 120ml/500ml |
| P0023A | Western一抗稀释液 | 100ml/500ml |
| P0023B | Western封闭液 | 100ml/500ml |
| P0023C | Western洗涤液 | 250ml |
| P0023D | Western二抗稀释液 | 100ml/500ml |
| P0025 | Western一抗二抗去除液 | 250ml |
| P0066 | 预染蛋白质分子量标准(19-117kD) | 200µl |
| P0068 | 彩色预染蛋白质分子量标准(10-180kD) | 200µl |
| P0071 | BeyoColor™彩色预染蛋白分子量标准(6.5-270kD) | 200µl |
| P0075 | BeyoColor™彩色预染蛋白分子量标准(10-170kD) | 200µl |
| P0078 | BeyoColor™彩色预染蛋白分子量标准(15-120kD) | 200µl |
| P0095 | 免疫染色通透液(Saponin) | 100ml/500ml |

| | | |
|-------------|-------------------------------------|-------------|
| P0096 | 免疫染色通透液(Triton X-100) | 100ml/500ml |
| P0097 | 免疫染色强力通透液 | 100ml/500ml |
| P0098 | 免疫染色固定液 | 100ml/500ml |
| P0099 | 4%多聚甲醛固定液 | 100ml/500ml |
| P0102 | 免疫染色封闭液 | 100ml |
| P0103 | 免疫染色一抗稀释液 | 100ml |
| P0106 | 免疫染色洗涤液 | 250ml |
| P0108 | 免疫荧光染色二抗稀释液 | 100ml |
| P0220-P0235 | Quickblock™封闭液 | 100ml |
| P0252 | QuickBlock™ Western封闭液 | 100ml/500ml |
| P0256 | QuickBlock™ Western一抗稀释液 | 100ml/500ml |
| P0258 | QuickBlock™ Western二抗稀释液 | 100ml/500ml |
| P0260 | QuickBlock™免疫染色封闭液 | 100ml |
| P0262 | QuickBlock™免疫染色一抗稀释液 | 100ml |
| P0265 | QuickBlock™免疫荧光染色二抗稀释液 | 100ml |
| P0267 | QuickBlock™免疫组化染色二抗稀释液 | 100ml |
| P0280 | InstantView™ SDS-PAGE蛋白染色及上样缓冲液(5X) | 1ml |

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