

bsm-52455R**[Primary Antibody]**

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Ki-67 Recombinant Rabbit mAb

— DATASHEET —

Host: Rabbit**Clonality:** Recombinant**GeneID:** 4288**Target:** Ki-67**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Ki67 antigen is the prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 antibodies are useful in establishing the cell growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation.

Isotype: IgG**CloneNo.:** D9H1**SWISS:** P46013

Applications: **WB** (1:1000-5000)
IHC-P (1:200-1000)
IHC-F (1:200-1000)
IF (1:200-1000)
Flow-Cyt (1:100-200)
ICC/IF (1:200-1000)

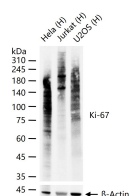
Reactivity: Human, Mouse, Rat

Predicted
MW.: 358 kDa

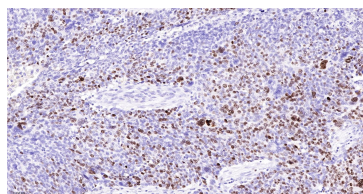
Observed
MW.: Multiple kDa

Subcellular
Location: Nucleus

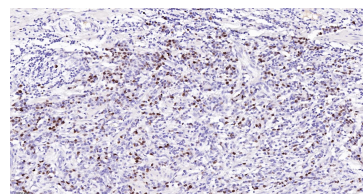
— VALIDATION IMAGES —



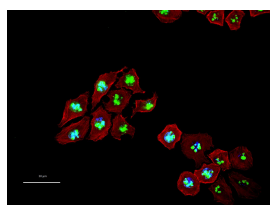
25 ug total protein per lane of various lysates (see on figure) probed with Ki-67 monoclonal antibody, unconjugated (bsm-52455R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



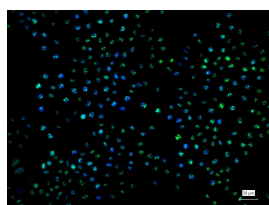
Paraformaldehyde-fixed, paraffin embedded Human Ovarian Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Ki67 Monoclonal Antibody, Unconjugated (bsm-52455R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



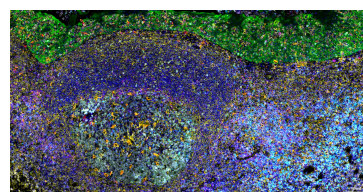
Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Ki67 Monoclonal Antibody, Unconjugated (bsm-52455R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Ki-67) monoclonal Antibody, unconjugated (bsm-52455R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, then stained with Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.



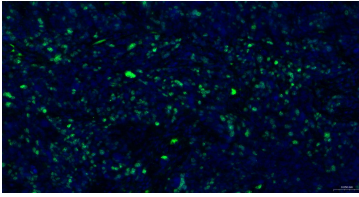
4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Ki-67) monoclonal Antibody, unconjugated (bsm-52455R) 1:200, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei.



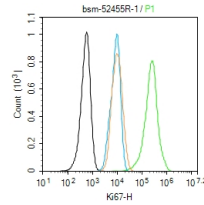
Paraformaldehyde-fixed, paraffin embedded Human Tonsil. Merged staining of anti-CD68 (bsm-60634R; 1:200; red) anti-CD20 (bsm-63327R; 1:200; white) anti-CD3E (bsm-60002R; 1:200; light blue) anti-CD4 (bsm-52469R; 1:200; rose red) anti-Ki67 (bsm-52455R; 1:200; bean green) anti-Vimentin (bsm-33170M; 1:200; yellow) and anti-Pan Cytokeratin (bsm-34137M; 1:150; green) DAPI

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

(dark blue) was used as a nuclear counter stain.



Paraformaldehyde-fixed, paraffin embedded Human Ovarian serous carcinoma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Monoclonal Antibody, Unconjugated (bsm-52455R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-Ki67 antibody (bsm-52455R): 1 µg/10⁶ cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=6.8]** Jingyue Gao. et al. 89Zr/177Lu-Labeled Radioimmunoconjugates Targeting SORT1 for Cancer Theranostics. J MED CHEM. 2026;69(5):6254–6265 IHC ;Mouse. 41773941
- **[IF=6.8]** Yanzhao Liu. et al. PLAP Targeted Antibody-Radionuclide Conjugate for Theranostics in Pancreatic Cancer. J MED CHEM. 2026 Apr IHC ;Human. 41989751
- **[IF=5.7]** Xuemei Yang. et al. Emodin promotes GSK-3β-mediated PD-L1 proteasomal degradation and enhances anti-tumor immunity in hepatocellular carcinoma. CHIN MED-UK. 2025 Aug;20:126 IHC ;Mouse. 40804393
- **[IF=5.6]** Xuemei Yang. et al. Baicalin promotes anti-tumor immunity in hepatocellular carcinoma through HIF-1α/Lactate/CXCL9 axis. BIOCHEM PHARMACOL. 2025 Jul;:117157 IHC ;Mouse. 40659129
- **[IF=3.5]** Yana Li. et al. Fgf21 Deficiency Delays Hair Follicle Cycling and Modulates miRNA–Target Gene Interactions in Mice. BIOLOGY-BASEL. 2025 May;14(5):526 IF ;Mouse. 40427715