**bs-2130R** **[ Primary Antibody ]**

# MKI67 | Ki-67 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 4288 **SWISS:** P46013

**Target:** MKI67 | 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.

**Applications:** **WB** (1:500-2000)
**IHC-P** (1:200-800)
**IHC-F** (1:200-800)
**IF** (1:200-800)
**Flow-Cyt** (1ug/Test)
**ICC/IF** (1:100-500)

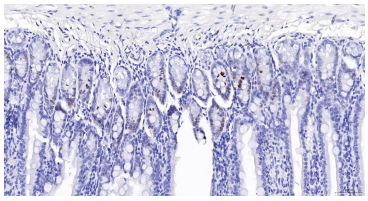
**Reactivity:** Human, Mouse, Rat

**Predicted MW.:** 358 kDa

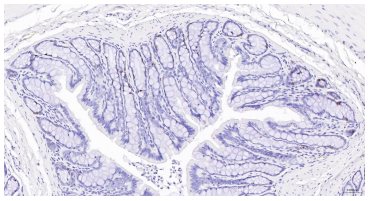
**Observed MW.:** 320/359 kDa

**Subcellular Location:** Nucleus

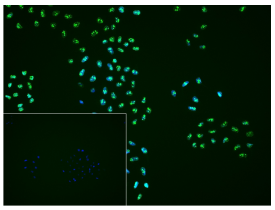
## VALIDATION IMAGES



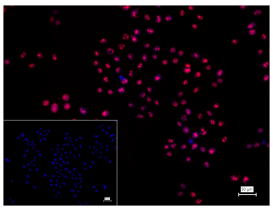
Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Polyclonal Antibody, Unconjugated (bs-2130R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Polyclonal Antibody, Unconjugated (bs-2130R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP 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) polyclonal Antibody, unconjugated (bs-2130R) 1:100, 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. PBS instead of the primary antibody was used as the blank control.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Ki-67) polyclonal Antibody, unconjugated (bs-2130R) 1:100, 90 min at 37°C; followed by BF647 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF647) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was

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used as the blank control.

## SELECTED CITATIONS

- **[IF=37.3]** Huang Bo. et al. A novel peptide PDHK1-241aa encoded by circPDHK1 promotes ccRCC progression via interacting with PPP1CA to inhibit AKT dephosphorylation and activate the AKT-mTOR signaling pathway. MOL CANCER. 2024 Dec;23(1):1-27 IHC ;Mouse. 38360682
- **[IF=20.3]** Guoyun Wan. et al. Light-cured millineedle platform delivers “nano-pomegranate” for combinatorial electrodynamic therapy and cuproptosis against oral carcinoma. BIOACT MATER. 2025 Nov;53:718 IF ;Mouse. 40801019
- **[IF=18.5]** Jian Xiao. et al. Highly Permeable Nanoparticles Achieve Efficient Tumor Treatment Through Oxygen-independent Photonic Thermodynamic Therapy. ADV FUNCT MATER. 2024 Apr IF ;Mouse. 10.1002/adfm.202403740
- **[IF=17.1]** Ze Wang. et al. Reactive Oxygen Species Amplifier for Apoptosis-Ferroptosis Mediated High-Efficiency Radiosensitization of Tumors. ACS NANO. 2024;18(14):10288–10301 IHC ;Mouse. 38556985
- **[IF=17.1]** Zhanlin Zhang. et al. Ultrasound-Chargeable Persistent Luminescence Nanoparticles to Generate Self-Propelled Motion and Photothermal/NO Therapy for Synergistic Tumor Treatment. ACS NANO. 2023;XXXX(XXX):XXX-XXX IHC ;Mouse. 37515593

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