
Ki-67 Rabbit pAb

Catalog Number: bs-2130R

Target Protein: Ki-67

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: **IHC-P** (1:200-800), **IHC-F** (1:200-800), **IF** (1:300-800), **ICC/IF** (1:100)

Reactivity: Human

Predicted MW: 358 kDa

Detected MW: 320/359 kDa

Subcellular Nucleus

Locations:

Entrez Gene: 4288

Swiss Prot: P46013

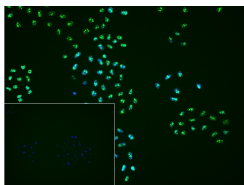
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

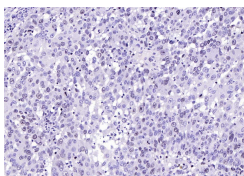
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

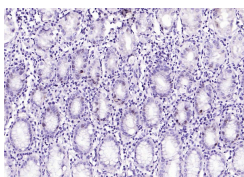
VALIDATION IMAGES



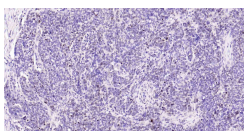
4% Paraformaldehyde-fixed HeLa(H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Ki-67) polyclonal Antibody, unconjugated (bs-2130R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



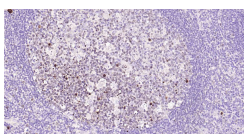
Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ki-67) Polyclonal Antibody, Unconjugated (bs-2130R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Ki-67) Polyclonal Antibody, Unconjugated (bs-2130R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded Human ovarian serous carcinoma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Ki-67 Polyclonal Antibody, Unconjugated (bs-2130R) 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 Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Ki-67 Polyclonal Antibody, Unconjugated (bs-2130R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[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=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] Zhenzhen Yang. et al. Reinforced Immunogenic Endoplasmic Reticulum Stress and Oxidative Stress via an Orchestrated Nanophotoinducer to Boost Cancer Photoimmunotherapy. ACS NANO. 2024;XXXX(XXX):XXX-XXX IHC ; Mouse . 38382065

[IF=16.744] Zhanlin Zhang. et al. Persistent luminescence-activated Janus nanomotors with integration of photodynamic and photothermal cancer therapies. CHEM ENG J. 2022 Dec;:141226 IHC ; Mouse . 10.1016/j.cej.2022.141226

[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