Anti-Ki67 Antibody [SR00-02]

Cat:	**YK151662**
Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity：	Human, Mouse, Rat, Cynomolgus monkey
Applications:	IHC-P, IF-Tissue, mIHC, IF-Cell, FC
Molecular Wt:	Predicted band size: 345-395 kDa
Clone number:	SR00-02
Description：	The Ki-67 protein is a nuclear protein doublet, 345-395 kDa, playing a pivotal role in maintaining cell proliferation. Ki-67 is present in all non-G0 phases of the cell cycle. Beginning in the mid G1, the level increases through S and G2 to reach a peak in M. In the end of M, is is rapidly catabolized. The Ki-67 labelling index (LI), i.e., the percentage of cells in a tissue staining for Ki-67, indicates the growth fraction. For many tumours, the rate of cell proliferation as assessed by Ki-67 immunoreactivity correlates with tumour grade and clinical course. In Non-Hodgkin lymphoma a labelling index of less than 20% is seen in low grade lymphomas, greater than 20% is associated with high grade lymphomas. Low grade lymphomas with a labelling index in excess of 5% have a worse prognosis than those with an index of less than 5%. In Burkitt and Burkitt-like lymphoma, nearly 100% of the nuclei are stained. This can be used as a diagnostic criterion. In gliomas the indices ranges from 0% to 5% for low grade astrocytomas while anaplastic astrocytomas and glioblastomas most frequently show an index above 10%. In soft tissue sarcomas Ki-67 index is positively correlated with mitotic count, cellularity and histological grade. In some benign tumours, like meningioma, a high LI is associated with a high recurrence rate. In dysplasia in Barrett's oesophagus and in granulosa cell tumours and ovarian serous tumours, Ki-67 LI is associated with progression. In the former, reproducibility of dysplasia grading is improved when Ki67 is included. In breast cancer, the proliferative index measured by Ki67 immunoreactivity has both prognostic and predictive value.
Immunogen:	Synthetic peptide within human Ki67 aa 1,040-1,080.
Positive control:	Human tonsil tissue, human lymph nodes tissue, human cervical carcinoma tissue, human colon carcinoma tissue, mouse spleen tissue, mouse intestinal tissue, rat thymus tissue, human gastric cancer, HeLa.
Subcellular location:	Nucleus, Chromosome
Database links:	SwissProt: P46013 Human | E9PVX6 Mouse Entrez Gene: 246042 Rat
Recommended Dilutions:	
IHC-P:1:5000-1:15000; I F-Tissue:1:500(Not suitable for mouse);mIHC:1：200；I F-Cell：1：100-1:1000(Not suitable for mouse)；FC：1:500-1:1000	
Storage Buffer:	PBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage I nstruction:	Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.
Purity:	Protein A affinity purified.

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