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Rabbit Anti-Ki-67 antibody

SL23105R

Product Name:	Ki-67
Chinese Name:	Ki67蛋白抗体
Alias:	Antigen identified by monoclonal antibody Ki 67; Antigen KI67; KIA; Ki-67; Ki67; MKI67; Proliferation related Ki 67 antigen; Antigen KI-67; KI67_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	358kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Ki-67:601-700/3256
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:
Thought to be required for maintaining cell proliferation.

Subcellular Location:
Nucleus. Chromosome. Predominantly localized in the G1 phase in the perinucleolar region, in the later phases it is also detected throughout the nuclear interior, being predominantly localized in the nuclear matrix. In mitosis, it is present on all chromosomes.

Similarity:
Contains 1 FHA domain.

SWISS:
P46013

Gene ID:
4288

Database links:

Entrez Gene: 4288Human

Entrez Gene: 17345Mouse

Entrez Gene: 246042Rat

Omim: 176741Human

SwissProt: P46013Human

SwissProt: Q91VE6Mouse

SwissProt: Q5RJM0Rat

Unigene: 689823Human

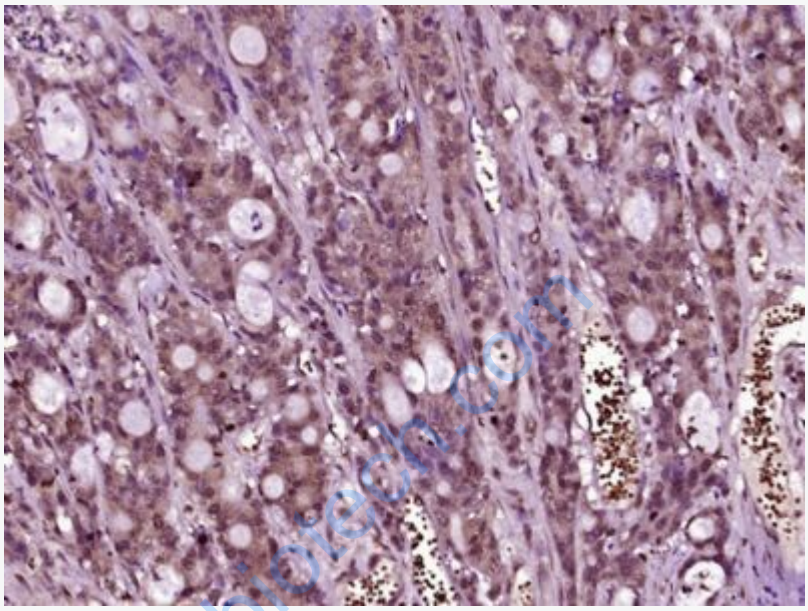
Unigene: 80976Human

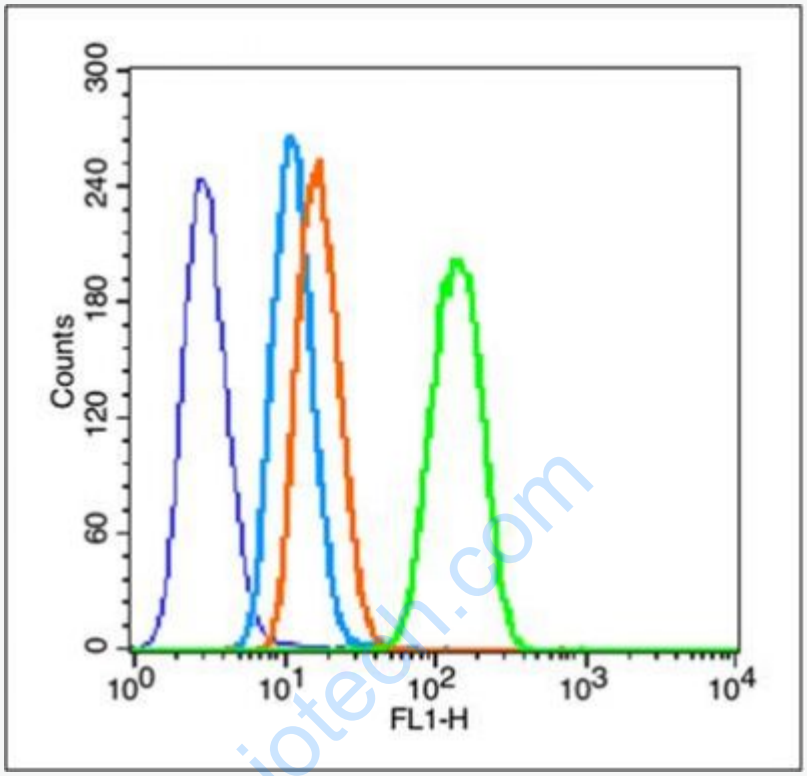
Unigene: 4078Mouse

Unigene: 233802Rat

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

细胞增殖Maker(Proliferation Marker)

	Ki67与PCNA一样，为细胞增殖的一种标记，在Apoptosis中S、G2、M期均有表达，G0期缺如。Ki-67增殖指数高低与许多Tumour的分化程度、浸润、转移以及预后密切相关，因此被广泛作为各种恶性Tumour的必检项目之一。
Picture:	 Paraformaldehyde-fixed, paraffin embedded (Human colon 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 (SL23105R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control (blue line): Hela (fixed with 80% methanol (5 min at -20℃) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature).

Primary Antibody (green line): Rabbit Anti-Ki-67 antibody (SL23105R),Dilution: 1µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC,Dilution: 1µg /test.