



## Rabbit Anti-Ki-67 antibody

SL10837R

<b>Product Name:</b>	Ki-67
<b>Chinese Name:</b>	Ki67蛋白抗体
<b>Alias:</b>	Antigen identified by monoclonal antibody Ki 67; Antigen KI67; KIA; Ki-67; Ki67; MKI67; Proliferation related Ki 67 antigen; Antigen KI-67; KI67 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	ELISA=1:500-1000Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	358kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	Recombinant human Ki-67 protein:1-120/3256
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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: 4288](#)Human

[Entrez Gene: 17345](#)Mouse

[Entrez Gene: 246042](#)Rat

[Oimim: 176741](#)Human

[SwissProt: P46013](#)Human

[SwissProt: Q91VE6](#)Mouse

[SwissProt: Q5RJM0](#)Rat

[Unigene: 689823](#)Human

[Unigene: 80976](#)Human

[Unigene: 4078](#)Mouse

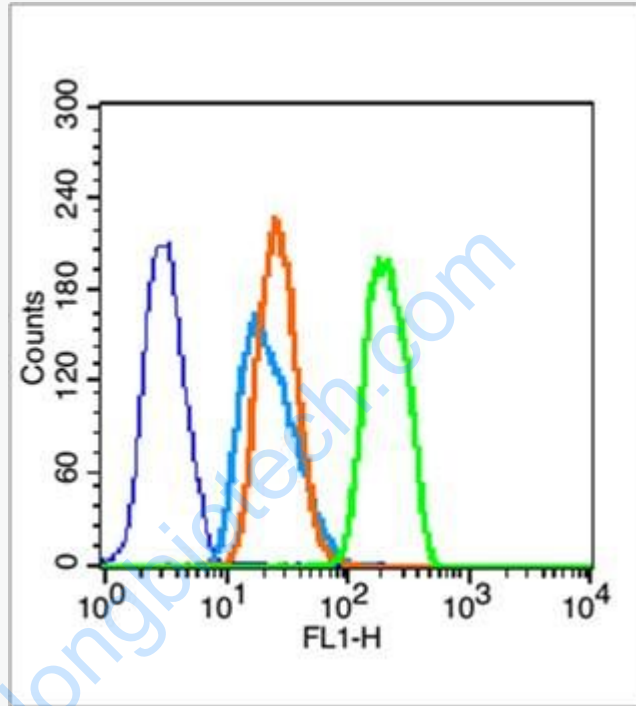
[Unigene: 233802](#)Rat

**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Marker(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:

Blank control (blue line): HeLa (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice).

Primary Antibody (green line): Rabbit Anti-Ki-67 antibody (SL10837R), Dilution: 0.2µg /10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG .

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