



Ki-67 Rabbit mAb(ABT104R)

Catalog No	YP-Ab-17646
Isotype	IgG
Reactivity	Human
Applications	IHC;IF
Gene Name	MKI67
Immunogen	Synthesized peptide derived from human Ki-67
Specificity	The antibody can specifically recognize human Ki-67 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.05% proclin 300
Source	Monoclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from Cell supernatant by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KI67;MKI67;Antigen identified by monoclonal antibody Ki-67;Antigen KI-67;Ki 67; Ki-67
Observed Band	
Calculated Molecular Weight	359 kDa
Cell Pathway	Chromosome . Nucleus . Nucleus, nucleolus . Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the mitotic chromosome surface (PubMed:27362226). Associates with satellite DNA in G1 phase (PubMed:9510506). Binds tightly to chromatin in interphase, chromatin-binding decreases in mitosis when it associates with the surface of the condensed chromosomes (PubMed:15896774, PubMed:22002106). 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 (PubMed:22002106). .
Tissue Specificity	Nuclear
Function	developmental stage:Expression of this antigen occurs preferentially during late G1, S, G2 and M phases of the cell cycle, while in cells in G0 phase the antigen cannot be detected.,function:Thought to be required for maintaining cell

proliferation.,online information:Ki-67 entry,similarity:Contains 1 FHA domain.,
subcellular location: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.,subunit:Interacts with KIF15. Binds through the FHA domain to
MKI67IP.,

Background

This gene encodes a nuclear protein that is associated with and may be necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X. [provided by RefSeq, Mar 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images