

Ki67 Rabbit mAb
Catalog # AP76932**Specification**

Ki67 Rabbit mAb - Product Information

Application	WB, IHC-P, FC, ICC
Primary Accession	P46013
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	358694

Ki67 Rabbit mAb - Additional Information

Gene ID 4288

Other Names

MKI67

Format

Liquid

Ki67 Rabbit mAb - Protein InformationName MKI67 ([HGNC:7107](#))**Function**

Required to maintain individual mitotic chromosomes dispersed in the cytoplasm following nuclear envelope disassembly (PubMed:[27362226](http://www.uniprot.org/citations/27362226)). Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the chromosome surface (PubMed:[27362226](http://www.uniprot.org/citations/27362226)). Prevents chromosomes from collapsing into a single chromatin mass by forming a steric and electrostatic charge barrier: the protein has a high net electrical charge and acts as a surfactant, dispersing chromosomes and enabling independent chromosome motility (PubMed:[27362226](http://www.uniprot.org/citations/27362226)). Binds DNA, with a preference for supercoiled DNA and AT-rich DNA (PubMed:[10878551](http://www.uniprot.org/citations/10878551)). Does not contribute to the internal structure of mitotic chromosomes (By similarity). May play a role in chromatin organization (PubMed:[24867636](http://www.uniprot.org/citations/24867636)). It is however unclear whether it plays a direct role in chromatin organization or whether it is an indirect consequence of its function in maintaining mitotic chromosomes dispersed (Probable).

Cellular Location

Chromosome. Nucleus. Nucleus, nucleolus Note=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).

Ki67 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Ki67 Rabbit mAb - Images