

# Immunotag™ Ki67 Antibody

Antibody Specification	
Catalog No.	ITA0136
Product Description	Immunotag™ Ki67 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Ki67
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Ki67
Specificity	Ki67 Antibody detects endogenous levels of Ki67
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MKI67
Accession No.	P46013
Alternate Names	Antigen identified by monoclonal antibody Ki 67; Antigen identified by monoclonal antibody Ki-67; Antigen KI-67; Antigen KI67; Antigen Ki67; KI67_HUMAN; KIA; Marker of proliferation Ki-67; MIB 1; MIB; MKI67; PPP1R105; Proliferation marker protein Ki-67; Proliferation related Ki 67 antigen; Protein phosphatase 1 regulatory subunit 105; RP11-380J17.2;

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Description	Required to maintain individual mitotic chromosomes dispersed in the cytoplasm following nuclear envelope disassembly (PubMed:27362226). Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the chromosome surface (PubMed: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). Binds DNA, with a preference for supercoiled DNA and AT-rich DNA (PubMed:10878551). Does not contribute to the internal structure of mitotic chromosomes (By similarity). May play a role in chromatin organization (PubMed: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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	358kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.