

Immunotag™ Ki67 Antibody

Antibody Specification	
Catalog No.	ITA1381
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 500-2000,IHC 1:50-1:200,IF 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Ki67
Specificity	Ki67 Antibody detects endogenous levels of total 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
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.