

Rabbit anti-Human Ki67 Polyclonal Antibody | anti-Ki67 antibody

Rabbit polyclonal Anti-Ki67 Antibody (C-epitope)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75898	Rabbit	Human	Western Blot, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

Ki67; Polyclonal Antibody; Rabbit polyclonal Anti-Ki67 Antibody (C-epitope); Antigen identified by monoclonal antibody Ki 67; KIA; MKI67; Proliferation related Ki 67 antigen; RP11-380J17.2 antibody; anti-Ki67 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	This antibody will detect both isoform 1 and isoform 2 in human
Form/Format	Affinity Purified Immunoglobulins
Concentration	0.68mg/ml IgG in antibody stabilization buffer (varies by lot)
Sequence Length	3256
Applicable Applications for anti-Ki67 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide taken within amino acid region 2950-3000 on human antigen isoform 1.
Expression	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.
Determinant	Mid-region
Molecular Function	poly(A) RNA binding;protein C-terminus binding;ATP binding
Subcellular Location	Chromosome, Nucleus
Preparation and Storage	-20• degree C for long term storage

ADDITIONAL INFORMATION

Related Product Information for anti-Ki67 antibody	Ki-67 is a marker of cell proliferation and is detected in cells that are in G1-, S-, G2-, and M-phase of the cell cycle and absent in cells in G0 phase (1). Ki-67 is used as a marker for cell proliferation of solid tumors and some hematological malignancies. It is associated with ribosomal RNA transcription, and inactivation of antigen Ki-67 leads to inhibition of ribosomal RNA synthesis. Ki-67 expression is used as a marker for determining the fraction of proliferating cells within a given population of tumor cells. It is also important for distinguishing between malignant and benign peripheral nerve sheath tumors. MBS541939 is used as prognostic/predictive markers in breast cancer and other malignant diseases, so high levels of MBS541939 are associated with poorer breast cancer survival (2). Ki-67 protein is a new member of the family of MPM-2 reactive phospho-proteins, which includes both structural and functional proteins that are necessary for the control and timing of mitosis. Phosphorylation and dephosphorylation of the Ki-67 protein are controlled by key regulatory structures of the cell cycle and occur at two hallmark events within the cell cycle: the breakdown and the reorganization of the nucleus during mitosis (3). The human Ki-67 gene maps to chromosome 1 Qq26.2 and encodes a 3256 amino acid protein. The Ki-67 selective antibodies were generated against conserved sequences that are unique to specific Ki-67 protein. The selective antibodies are affinity purified against immobilized antigen based affinity chromatography which yielded epitope-specific antibodies. Western blot positive control (MBS542894) and antigenic blocking peptides (MBS543898) for Ki67 are available.
Product Categories/Family for anti-Ki67 antibody	Primary Antibodies; Cell Biology; Cell Cycle; Ki67 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	103472005
NCBI GeneID	4288
NCBI Accession #	NP_002408.3
NCBI GenBank Nucleotide #	NM_002417.4
UniProt Accession #	P46013; Q5VWH2
NCBI Official Full Name	antigen KI-67 isoform 1
NCBI Official Synonym Full Names	marker of proliferation Ki-67
NCBI Official Symbol	MKI67
NCBI Official Synonym Symbols	KIA; MIB-; MIB-1; PPP1R105
NCBI Protein Information	antigen KI-67
UniProt Protein Name	Antigen KI-67
UniProt Gene Name	MKI67
UniProt Entry Name	KI67_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ki67-antibody-western-blot-immunoprecipitation-elisa/75898>