

Mouse anti-Human Ki67 Monoclonal Antibody | anti-Ki67 antibody

Ki67 Monoclonal Antibody

CATALOG # AAA179741	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry
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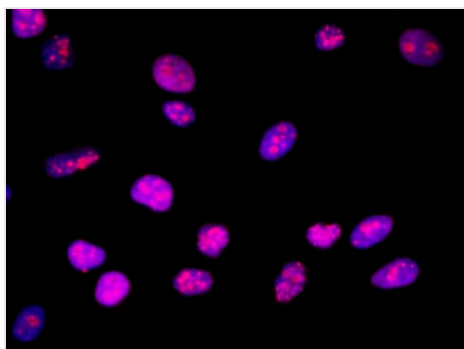
PRODUCT SYNONYMS

Ki67; Monoclonal Antibody; Ki67 Monoclonal Antibody; MIB; MKI; marker of proliferation Ki; Proliferation marker protein Ki; Antigen identified by monoclonal antibody Ki; PPP1R; MKI67; KIA; MIB-; MIB-1; PPP1R105; marker of proliferation Ki-67; Antigen identified by monoclonal antibody Ki-67; Antigen Ki67; Antigen KI-67; Proliferation marker protein Ki-67; Antigen identified by monoclonal Ki 67; Antigen identified by monoclonal Ki-67; MIB 1; Proliferation related Ki 67 antigen; Protein phosphatase 1 regulatory subunit 105; RP11-380J17.2; anti-Ki67 antibody

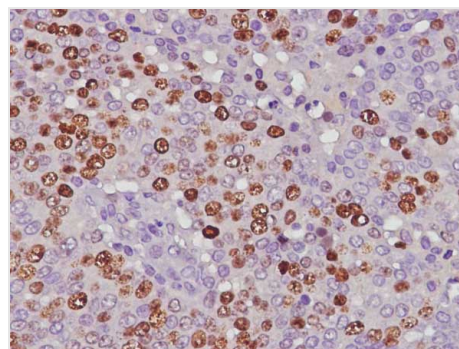
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3B7
Purity/Purification	Protein A/G Purification
Form/Format	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH 7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-Ki67 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	Recombinant human Ki67 protein expressed by E coli
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles. Protected from prolonged exposure to light.

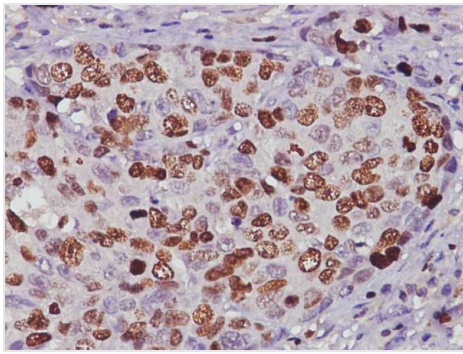
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using Ki67 Monoclonal Antibody at dilution of 1:500.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human Ovarian cancer using Ki67 Monoclonal Antibody at dilution of 1:1000.



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded Human Gastric cancer using Ki67 Monoclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-Ki67 antibody	Required to maintain individual mitotic chromosomes dispersed in the cytoplasm following nuclear envelope disassembly. Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the chromosome surface. 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. Binds DNA, with a preference for supercoiled DNA and AT-rich DNA. Does not contribute to the internal structure of mitotic chromosomes. May play a role in chromatin organization. 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).
Product Categories/Family for anti-Ki67 antibody	Primary Antibodies ; Monoclonal Antibodies ; Cell Biology ; Neuroscience ; Tags & Cell Markers ; Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	225543215
NCBI GeneID	4288
NCBI Accession #	NP_001139438.1
NCBI GenBank Nucleotide #	NM_001145966.1
UniProt Accession #	P46013; Q5VWH2
Molecular Weight	358,694 Da
NCBI Official Full Name	antigen KI-67 isoform 2
NCBI Official Synonym Full Names	antigen identified by monoclonal antibody Ki-67
NCBI Official Symbol	MKI67
NCBI Official Synonym Symbols	KIA
NCBI Protein Information	antigen KI-67; proliferation-related Ki-67 antigen
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.