Rabbit anti-Human Ki67 Monoclonal Antibody | anti-MKI67 antibody

Anti-Ki67 Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46919	**Rabbit**	**Human**	**Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Ki67; Monoclonal Antibody; Anti-Ki67 Rabbit Monoclonal Antibody; Antigen KI-67; MKI67; anti-MKI67 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	2,896
Applicable Applications for anti-MKI67 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human Ki67
Subcellular Localization	Nucleus. Nucleus, nucleolus. Chromosome. 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. In mitosis, it is present on all chromosomes.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Western blot analysis of Ki67 expression in Ramos cell lysate (AAA46919).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MKI67 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MKI67



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human tonsil, using Ki67 Antibody (AAA46919)MKI67 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MKI67 Antibody (AAA46919)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-MKI67 antibody	Thought to be required for maintaining cell proliferation.
Product Categories/Family for anti-MKI67 antibody	Cell Biology; Cell Cycle; markers; Neuroscience; Cell Type Marker; neuron marker; soma marker; Tags & Cell Markers; Cell Type Markers; replication; Neurology Process; Neurogenesis; Cancer; Cell Division; Tumor Biomarkers

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	358694 MW
NCBI Official Full Name	proliferation marker protein Ki-67 isoform 2
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	proliferation marker protein Ki-67; antigen KI-67
UniProt Protein Name	Proliferation marker protein Ki-67
UniProt Gene Name	**MKI67**
UniProt Synonym Gene Names	Antigen KI-67Curated; Antigen Ki67Curated

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://stage.aaabiotech.com/monoclonal/ki67-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/46919