

Mouse Ki-67 Monoclonal Antibody | anti-Ki-67 antibody

Ki-67 (Proliferating Cell Marker)

CATALOG # AAA214665	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Ki-67; Monoclonal Antibody; Ki-67 (Proliferating Cell Marker); Ki-67; Ki67; Ki-67 Antigen (KIA); MKI67; Proliferation related Ki-67 antigen; anti-Ki-67 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	MKI67/2462
Specificity	Ki-67 antigen is a nuclear, non-histone protein that is present in all stages of the cell cycle except G0. This characteristic makes Ki-67 an excellent marker for proliferating cells and is commonly used as one of the prognostic factors in cancer studies. A correlation has been demonstrated between Ki-67 index and the histo-pathological grade of neoplasms. Assessment of Ki-67 expression in renal and ureter tumors shows a correlation between tumor proliferation and disease progression, thus making it possible to differentiate high-risk patients. Ki-67 expression may also prove to be important for distinguishing between malignant and benign peripheral nerve sheath tumors. Ki-67 labeling index has been shown to be a prognostic marker in a number of neoplasms including grade II astrocytoma, oligodendroglioma, colon carcinoma, and breast carcinoma. In general, Ki-67 is a good marker of proliferating cell populations.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	2896
Applicable Applications for anti-Ki-67 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human Ki67 protein fragment (around aa 2293-2478)
Cellular Localization	Nuclear
Hu-chromosome Location	10q26.2
Positive Control	Any actively proliferating cells. Skin, Tonsil or Lymph Node

IMAGES



Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Ki67 Mouse Monoclonal Antibody (MKI67/2462).Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS_PAGE

SDS-PAGE Analysis Purified Ki67 Mouse Monoclonal Antibody (MKI67/2462).Confirmation of Integrity and Purity of Antibody



IHC (Immunohistochemisry)

Formalin-fixed, paraffin-embedded human Tonsil-Skin stained with Ki67 Mouse Monoclonal Antibody (MKI67/2462).



IHC (Immunohiostchemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with Ki67 Mouse Monoclonal Antibody (MKI67/2462).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with Ki67 Mouse Monoclonal Antibody (MKI67/2462).

ADDITIONAL INFORMATION

References	Gerdes J, et al. 1984. J. Immunol. 133:1710. Schluter C, et al. 1993 J. Cell Biol. 123:513.
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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	345kDa; 395kDa
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
UniProt Protein Name	Proliferation marker protein Ki-67
UniProt Gene Name	MKI67

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/ki-67-antibody-clone-mki67-2462-immunohistochemistry-elisa/214665>