

Rabbit Ki67/Mki67 Polyclonal Antibody | anti-Mki67 antibody

Anti-Ki67/Mki67 Antibody

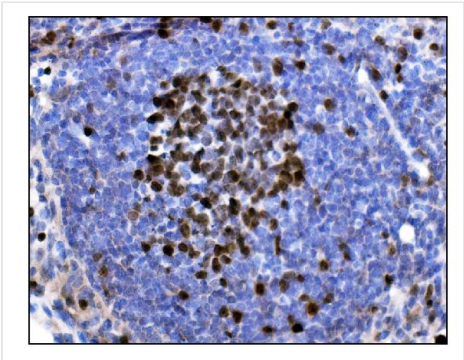
CATALOG # AAA125531	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

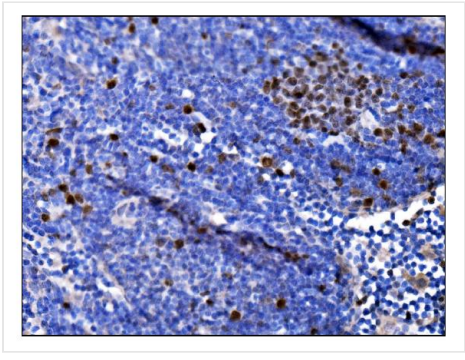
Ki67/Mki67; Polyclonal Antibody; Anti-Ki67/Mki67 Antibody; Mki67; Proliferation marker protein Ki-67; Antigen identified by monoclonal antibody Ki-67 homolog; Antigen KI-67 homolog; Antigen Ki67 homolog; antigen identified by monoclonal antibody Ki 67; anti-Mki67 antibody

PRODUCT SPECIFICATIONS

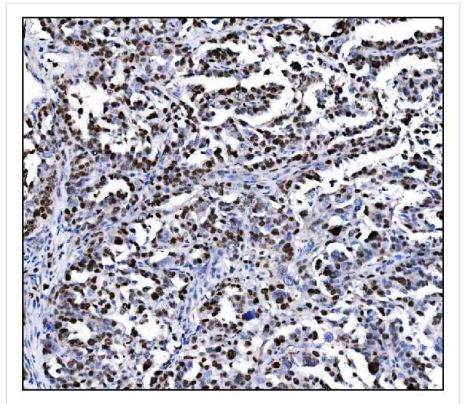
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for Ki67/Mki67 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Applicable Applications for anti-Mki67 antibody	ELISA (Direct ELISA), IHC (Immunohistochemistry)
Immunogen	E Coli-derived mouse Mki67 recombinant protein (Position: F29-S3177).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
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.



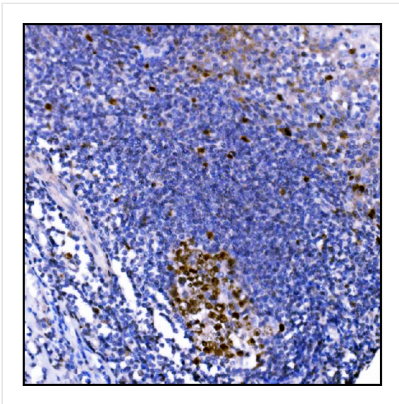
IHC (Immunohistochemistry)
Figure 4. IHC analysis of Ki67/Mki67 using anti-Ki67/Mki67 antibody (AAA125531).Ki67/Mki67 was detected in a paraffin-embedded section of rat lymphaden tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μg/ml rabbit anti-Ki67/Mki67 Antibody (AAA125531) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of Ki67/Mki67 using anti-Ki67/Mki67 antibody (AAA125531).Ki67/Mki67 was detected in a paraffin-embedded section of mouse lymphaden tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μg/ml rabbit anti-Ki67/Mki67 Antibody (AAA125531) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of Ki67/Mki67 using anti-Ki67/Mki67 antibody (AAA125531).Ki67/Mki67 was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat-mediated antigen retrieval was performed in EDTA buffer (pH 8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μg/ml rabbit anti-Ki67/Mki67 Antibody (AAA125531) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 1. IHC analysis of Ki67/Mki67 using anti-Ki67/Mki67 antibody (AAA125531).Ki67/Mki67 was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8. 0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 μg/ml rabbit anti-Ki67/Mki67 Antibody (AAA125531) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Mki67 antibody	Ki-67(Proliferation-related Ki-67 antigen), also known as MKI67 or KIA, is a protein that in humans is encoded by the MKI67 gene. From study of a panel of human-rodent somatic cell hybrids, it has been demonstrated that a gene involved in the expression of the MKI67 antigen is located on chromosome 10. By in situ hybridization, Fonatsch et al. (1991) regionalized the MKI67 gene to chromosome 10q25-qter. By FISH, Traut et al. (1998) mapped the mouse Mki67 gene to chromosome 7F3-F5. Antigen KI-67 is a nuclear protein that is associated with and may be necessary for cellular proliferation. Furthermore it is associated with ribosomal RNA transcription. Inactivation of antigen KI-67 leads to inhibition of ribosomal RNA synthesis.
References	1. Fonatsch, C., Duchrow, M., Rieder, H., Schluter, C., Gerdes, J. Assignment of the human Ki-67 gene (MKI67) to 10q25-qter. Genomics 11: 476-477, 1991. 2. Schonk, D. M., Kuijpers, H. J. H., vanDrunen, E., vanDalen, C. H., Geurts van Kessel, A. H. M., Verheijen, R., Ramaekers, F. C. S. Assignment of the gene(s) involved in the expression of the proliferation-related Ki-67 antigen to human chromosome 10. Hum. Genet. 83: 297-299, 1989. 3. Traut, W., Scholzen, T., Winking, H., Kubbutat, M. H. G., Gerdes, J. Assignment of the murine Ki-67 gene (Mki67) to chromosome band 7F3-F5 by in situ hybridization. Cytogenet. Cell Genet. 83: 12-13, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	169234624
NCBI GeneID	17345
NCBI Accession #	NP_001074586.2
NCBI GenBank Nucleotide #	NM_001081117.2
UniProt Accession #	E9PVX6; Q61769; Q7TSF6
Molecular Weight	324,718 Da
NCBI Official Full Name	proliferation marker protein Ki-67
NCBI Official Synonym Full Names	antigen identified by monoclonal antibody Ki 67
NCBI Official Symbol	Mki67
NCBI Official Synonym Symbols	Ki67; Ki-67; D630048A14Rik
NCBI Protein Information	proliferation marker protein Ki-67
UniProt Protein Name	Proliferation marker protein Ki-67
UniProt Gene Name	Mki67
UniProt Synonym Gene Names	Antigen KI-67 homologCurated; Antigen Ki67 homologCurated

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/polyclonal/ki67-mki67-antibody-direct-elisa-immunohistochemistry-elisa/125531>