

Anti-KI67 Mouse mAb
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP53487-100 □

Specification

Anti-KI67 Mouse mAb - Product Information

Application	IHC
Primary Accession	P46013
Reactivity	Human
Host	Mouse
Clonality	Monoclonal Antibody
Immunogen	Synthetic peptide corresponding to aa (CEDLAGFKELFQTPG) of human KI67, conjugated to KLH.
Purification	Acites
Calculated MW	358kDa KDa

Anti-KI67 Mouse mAb - Additional Information

Gene ID 4288

Other Names
KIA; Ki-67; MKI67

Dilution
IHC~1:400

Format
Ascitic fluid containing 0.03% sodium azide.

Storage
Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Anti-KI67 Mouse mAb - Protein Information

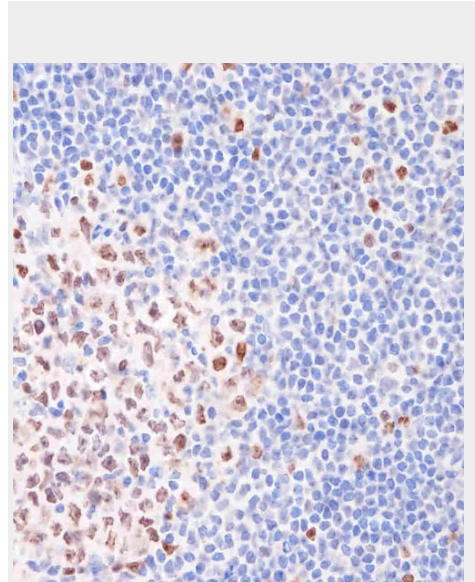
Name MKI67

Function
Thought to be required for maintaining cell proliferation.

Cellular Location
Nucleus. Nucleus, nucleolus. Chromosome.
Note=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

Anti-KI67 Mouse mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.



Immunohistochemical analysis of Ki-67 in Human tonsil tissue sections(IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1/400) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

- [□Western Blot](#)
- [□Blocking Peptides](#)
- [□Dot Blot](#)
- [□Immunohistochemistry](#)
- [□Immunofluorescence](#)
- [□Immunoprecipitation](#)
- [□Flow Cytometry](#)
- [□Cell Culture](#)

Anti-Ki67 Mouse mAb - Background

Ki67, also known as MKI67, is the prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 antibodies are useful in establishing the cell growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation.