

Summary

Production Name	KI67 Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Mouse,Rat,Rabbit,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	KI67
Alternative Names	KIA; Ki-67; MKI67
Gene ID	4288.0
SwissProt ID	P46013.Synthetic peptide corresponding to aa (CEDLAGFKELFQTPG) of human KI67, conjugated to KLH.

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	358kDa

Background

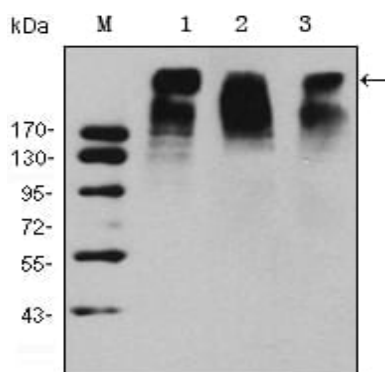
Product Name: Ki67 Mouse Monoclonal Antibody
Catalog #: AMM80890



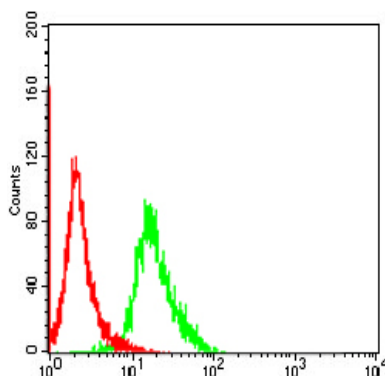
Ki67, also known as MKI67, it is the prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 antibodies are useful in establishing the cell growing fraction in neoplasms (immunohistochemically 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.

Research Area

Image Data

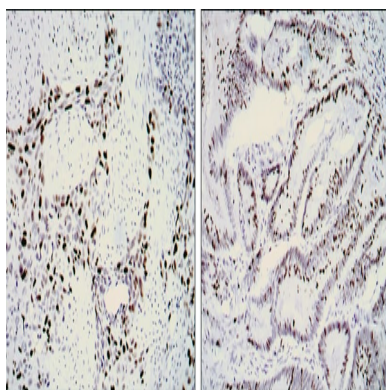


Western blot analysis using Ki67 mouse mAb against HeLa (1), MCF-7 (2) and Raji (3) cell lysate.

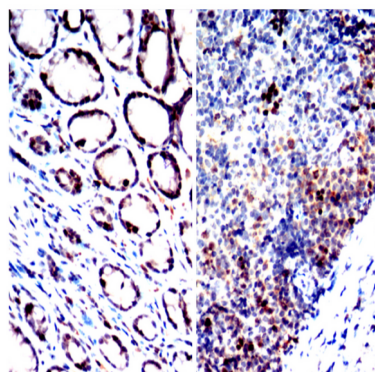


Flow cytometric analysis of NIH/3T3 cells using Ki67 mouse mAb (green) and negative control (red).

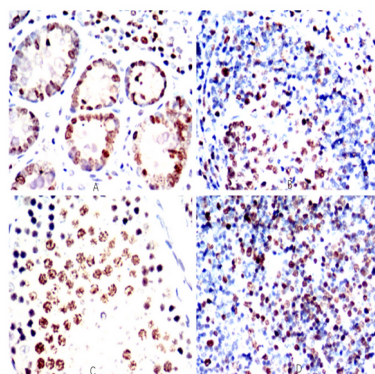
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Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and rectal cancer (right) using KI67 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse colon(left)Mouse (right) using KI67 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit rectum(A) Rabbit spleen (B) Rabbit testis (C) Rabbit thymus (D) using KI67 mouse mAb with DAB staining.

Note

For research use only.