Product Name: KI67 Mouse Monoclonal Antibody
Catalog #: AMM80747
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA
Reactivity	Human,Mouse,Rat,Rabbit,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:100-1:500,ICC 1:50-1:500,ELISA 1:5000-1:20000
Molecular Weight	358kDa

Antigen Information

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

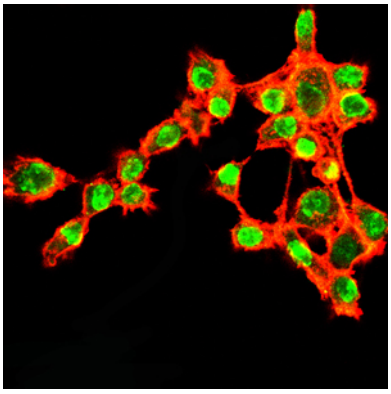
Background

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

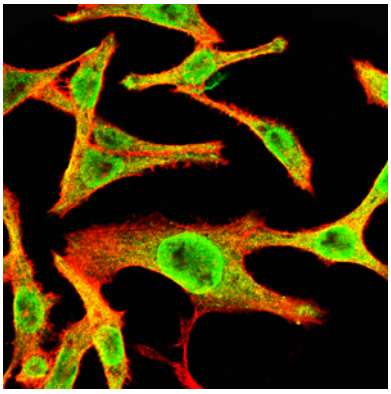
growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation.

Research Area

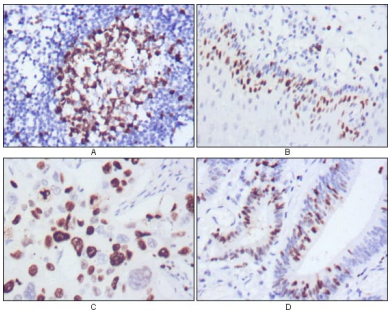
Image Data



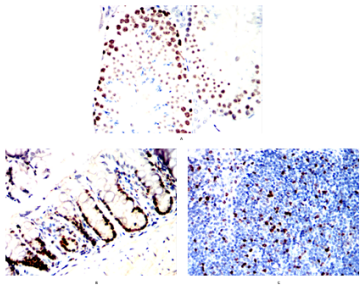
Immunofluorescence analysis of RSC-96 cells using KI67 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



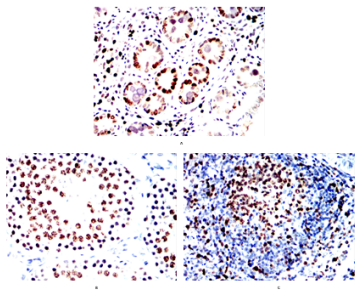
Immunofluorescence analysis of COS7 cells using KI67 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



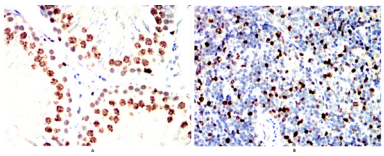
Immunohistochemical analysis of paraffin-embedded human lymph node (A), esophagus (B), lung cancer (C), rectum cancer (D), showing nuclear localization using KI67 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Mouse testis(A)Mouse colon(B)Mouse spleen(C) using KI67 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat brain(A)Rat kidney(B) using KI67 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit brain(A)Rabbit kidney(B) using KI67 mouse mAb with DAB staining.