

KI67 monoclonal antibody

Catalog: MB21234 Host: Mouse Reactivity: Human, Mouse, Rat, Rabbit, Monkey

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.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

358kDa

Swiss-Prot:

P46013

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC:1/100 - 1/500 IF:1/50 - 1/500

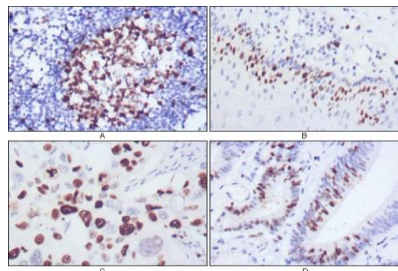
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

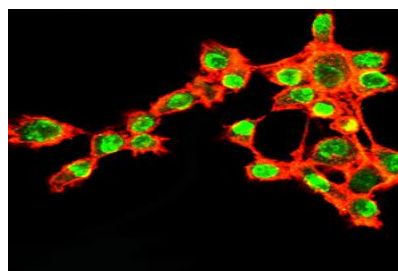
Isotype:

Mouse IgG2b

DATA:



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.



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.

Note:

For research use only, not for use in diagnostic procedure.

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