KI67 Mouse Monoclonal Antibody

E10-20354

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.

Catalog Number: E10-20354

Amount: 100µg/100µl

Clone Number: 4A1

Species: Mouse IgG2b

MW: 358kDa

Aliases: KIA; Ki-67; MKI67

Entrez Gene: 4288

Immunogen: Synthetic peptide corresponding to aa (CEDLAGFKELFQTPG) of human KI67, conjugated to KLH.

Storage: Store at 4 °C for short term storage, store at -20 °C for long term storage.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: IHC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: IHC. 1/200 - 1/1000.ELISA. Propose dilution 1/10000.

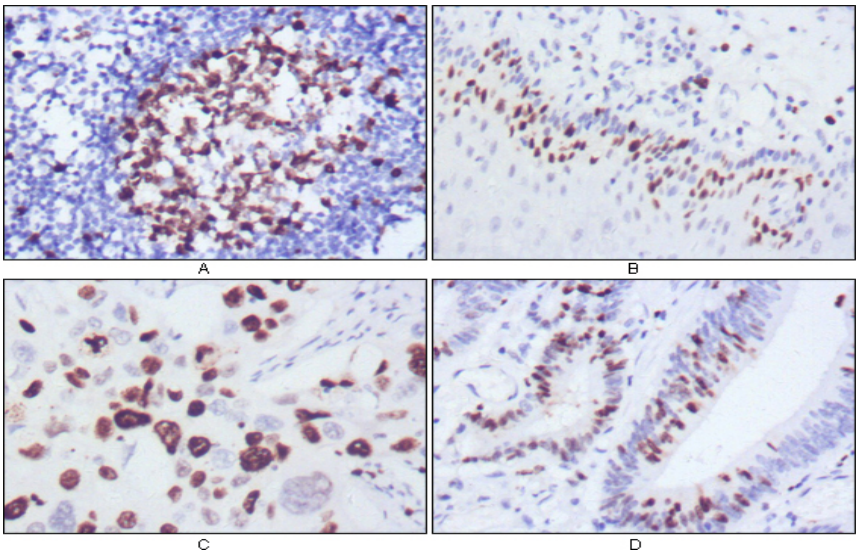

Figure 1. Immunohistochemical analysis of paraffin-embedded human lymph node (A), esophagus (B), lung cancer (C), rectum cancer (D), showing nuclear localization using KI67 mouse mAb with DAB staining.

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