



KI67 Mouse Monoclonal Antibody

E10-30100

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: E10-30100

Amount: 100µg/100µl

Clone Number: 8D5

Species: Mouse IgG1

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 long term storage, store at -20°C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IHC: 1/200-1/1000, ELISA: Propose dilution 1/10000.

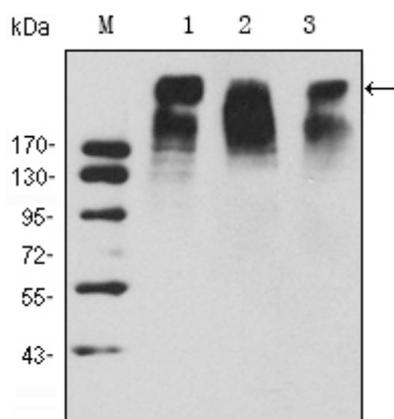


Figure 1: Western blot analysis using Ki67 mouse mAb against HeLa (1), MCF-7 (2) and Raji (3) cell lysate.

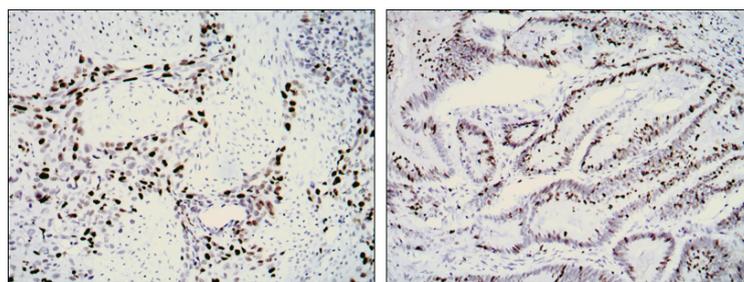


Figure 2: Immunohistochemical analysis of paraffin-embedded lung cancer (left) and rectal cancer (right) using Ki67 mouse mAb with DAB staining.

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