

Anti-Ki-67 Antibody (6E719)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 358 kDa.
Clone:	6E719
Purification:	Protein A purified

Applications

Verified Activity:

1. The HeLa (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Mouse Anti-Ki-67 antibody cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Ki-67) monoclonal Antibody, unconjugated 1: 100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, FITC) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
2. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Monoclonal Antibody, Unconjugated (TMAB-07997) at 1: 1000 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Serous ovarian cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Monoclonal Antibody, Unconjugated (TMAB-07997) at 1: 1000 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Monoclonal Antibody, Unconjugated (TMAB-07997) at 1: 1000 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Monoclonal Antibody, Unconjugated (TMAB-07997) at 1: 1000 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
6. (Negative control) Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Ki-67 Monoclonal Antibody, Unconjugated (TMAB-07997) at 1: 1000 overnight at 4°C, followed by conjugation to the HRP and DAB staining.

A DRUG SCREENING EXPERT

Application: IHC-P,IHC-Fr,IF,FCM,ICC/IF

Recommended IHC-P: 1:1000-5000; IHC-Fr: 1:1000-5000; IF: 1:1000-5000; FCM: 1µg/Test; ICC/IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Ki67

Antigen Species: Human

Gene ID: 4288

Uniprot ID: P46013

Research Background

Ki67 antigen 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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