

## Ki67 polyclonal antibody

Catalog: BS66119

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Required to maintain individual mitotic chromosomes dispersed in the cytoplasm following nuclear envelope disassembly. Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the chromosome surface. Prevents chromosomes from collapsing into a single chromatin mass by forming a steric and electrostatic charge barrier: the protein has a high net electrical charge and acts as a surfactant, dispersing chromosomes and enabling independent chromosome motility. Binds DNA, with a preference for supercoiled DNA and AT-rich DNA. Does not contribute to the internal structure of mitotic chromosomes. May play a role in chromatin organization. It is however unclear whether it plays a direct role in chromatin organization or whether it is an indirect consequence of its function in maintaining mitotic chromosomes dispersed (Probable).

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~ 359 kDa

### Swiss-Prot:

P46013

### Purification&Purity:

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

### Applications:

ELISA 1:5000 - 1:10000 IHC 1:100 - 1:500

### Storage&Stability:

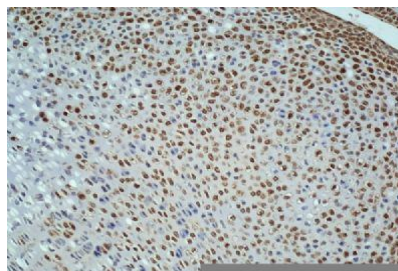
Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

### Specificity:

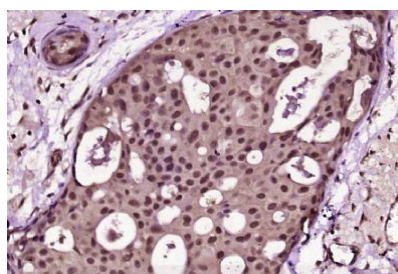
Ki67 polyclonal antibody detects endogenous levels of

Ki67 protein.

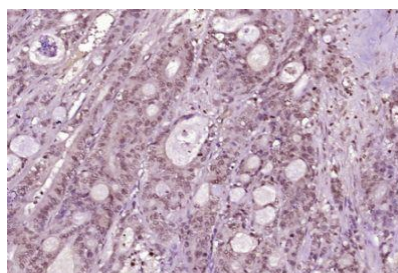
### DATA:



Generously provided by Markus Linder from Medical University Vienna as part of the Bioss Discovery Program. Formalin-fixed, paraffin embedded, and decalcified in EDTA embryonic mouse bone labeled with Anti-Ki-67 (Proliferation Marker) Polyclonal Antibody, Unconjugated at 1:100 followed by conjugation to the secondary antibody and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (Ki-67) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C.



Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma);

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## PRODUCT DATA SHEET

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Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (Ki-67) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C.

**Note:**

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

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