

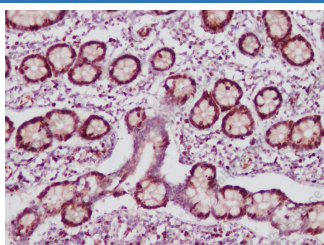
Ki67 Polyclonal Antibody

catalog number: AN004340L

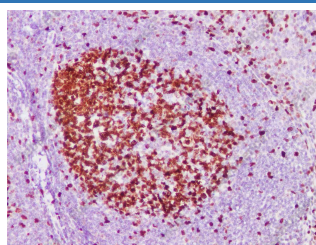
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Ki67 protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4
Applications	Recommended Dilution
IHC	1:500-1:1000

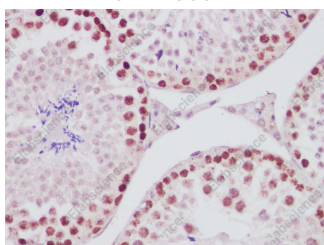
Data



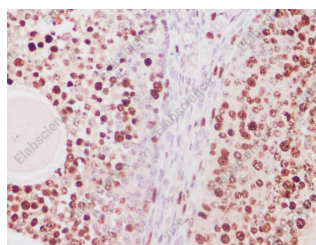
Immunohistochemistry of paraffin-embedded human small intestine using Ki67 Polyclonal Antibody at dilution of 1:1000.



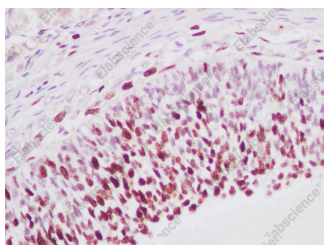
Immunohistochemistry of paraffin-embedded human tonsil using Ki67 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded mouse testis using Ki67 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded mouse ovary using Ki67 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded rat ovary using Ki67 Polyclonal Antibody at dilution of 1:1000.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

For Research Use Only

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Rev. V1.5

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).

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