

## Ki-67 Polyclonal Antibody

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|------------------------------|---|
| <b>Catalog No :</b>          | YT2467  |
| <b>Reactivity :</b>          | Human   |
| <b>Applications :</b>        | IHC;IF;ELISA  |
| <b>Target :</b>              | Ki-67   |
| <b>Gene Name :</b>           | MKI67   |
| <b>Protein Name :</b>        | Ki 67   |
| <b>Human Gene Id :</b>       | 4288  |
| <b>Human Swiss Prot No :</b> | P46013  |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human Ki67. AA range:3207-3256                    |
| <b>Specificity :</b>         | Ki-67 Polyclonal Antibody detects endogenous levels of Ki-67 protein.   |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG  |
| <b>Dilution :</b>            | IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.                           |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Concentration :</b>       | 1 mg/ml   |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)  |
| <b>Observed Band :</b>       | 360kD   |
| <b>Background :</b>          | This gene encodes a nuclear protein that is associated with and may be  |

necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X. [provided by RefSeq, Mar 2009],

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**Function :**

developmental stage:Expression of this antigen occurs preferentially during late G1, S, G2 and M phases of the cell cycle, while in cells in G0 phase the antigen cannot be detected.,function:Thought to be required for maintaining cell proliferation.,online information:Ki-67 entry,similarity:Contains 1 FHA domain.,subcellular location:Predominantly localized in the G1 phase in the perinucleolar region, in the later phases it is also detected throughout the nuclear interior, being predominantly localized in the nuclear matrix. In mitosis, it is present on all chromosomes.,subunit:Interacts with KIF15. Binds through the FHA domain to MKI67IP.,

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**Subcellular Location :**

Chromosome . Nucleus . Nucleus, nucleolus . Associates with the surface of the mitotic chromosome, the perichromosomal layer, and covers a substantial fraction of the mitotic chromosome surface (PubMed:27362226). Associates with satellite DNA in G1 phase (PubMed:9510506). Binds tightly to chromatin in interphase, chromatin-binding decreases in mitosis when it associates with the surface of the condensed chromosomes (PubMed:15896774, PubMed:22002106). Predominantly localized in the G1 phase in the perinucleolar region, in the later phases it is also detected throughout the nuclear interior, being predominantly localized in the nuclear matrix (PubMed:22002106). .

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**Expression :**

Epithelium,

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