

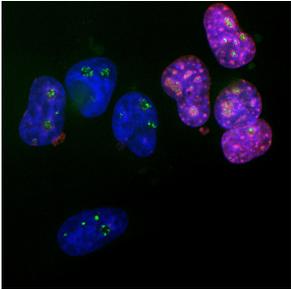
## Anti-Ki67 Antibody (A104333)

### Specifications:

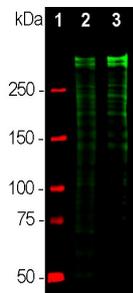
|                        |  |
|------------------------|--|
| Name:                  | Anti-Ki67 Antibody   |
| Description:           | Rabbit polyclonal antibody to Ki67.  |
| Applications:          | WB, ICC/IF, IHC  |
| Recommended Dilutions: | WB: 1:5,000-1:10,000, ICC/IF: 1:2,000-1:5,000, IHC: 1:1,000  |
| Reactivity:            | Human, Rat, Mouse  |
| Immunogen:             | Recombinant construct containing amino acids 1,111-1,490 of human Ki67 isotype 1, the central region of both Ki67 isotypes including the 2nd, 3rd, and 4th Ki67 repeat domains, expressed in and purified from E. coli.  |
| Host:                  | Rabbit   |
| Clonality:             | Polyclonal   |
| Isotype:               | IgG  |
| Conjugate:             | Unconjugated   |
| Molecular Weight:      | 345 kDa, 395 kDa   |
| Purity:                | Whole antiserum.   |
| Product Form:          | Liquid   |
| Formulation:           | Supplied as an aliquot of serum with 5mM Sodium Azide.   |
| Storage:               | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  |
| General Notes:         | Please note, Ki67 proteins are very unstable and only expressed in large amounts in situations where many cells are dividing. As a result of the very short half life of Ki67 there are usually numerous fragments visible on western blots running below the major 395 kDa and 345 kDa bands. |
| Disclaimer:            | This product is for research use only. It is not intended for diagnostic or therapeutic use.   |

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### Images:



Immunofluorescent analysis of HeLa cells stained with Anti-Ki67 Antibody (1:5,000 | red), and Anti-Fibrillarin Antibody (1:2,000 | green). The blue is DAPI staining of nuclear DNA. The Ki67 protein accumulates in and around the nucleoli of interphase cells such as those on the right, and the nucleoli are revealed by the Anti-Fibrillarin Antibody. In contrast, cells in the quiescent G0 state such as those on the left are Ki67 negative but fibrillarin positive.



Western blot analysis of equal amounts of cell lysates using Anti-Ki67 Antibody (1:10,000 | green): [1] protein standard (red), [2] rapidly growing HeLa cell cultures, [3] rapidly growing HEK293 cell cultures. Strong double bands larger than the 250kDa standard correspond to full length 345kDa and 395kDa Ki67 isoforms, while smaller proteolytic fragments of these isoforms are also invariably detected on the blot.