

Anti-Ki-67 Antibody

Our Anti-Ki-67 primary antibody from PhosphoSolutions is chicken polyclonal. It detects human, mouse
Catalog # AN1431

Specification

Anti-Ki-67 Antibody - Product Information

Application WB, IHC
Primary Accession P46013
Reactivity Bovine
Host Chicken
Clonality Polyclonal
Isotype IgY
Calculated MW 358694

Anti-Ki-67 Antibody - Additional Information

Gene ID 4288

Other Names

Antigen identified by monoclonal antibody Ki 67 antibody, Antigen identified by monoclonal antibody Ki-67 antibody, Antigen KI-67 antibody, Antigen KI-67 antibody, Antigen Ki-67 antibody, Ki-67 antibody, Ki-67 antibody, Ki-67 antibody, MIB 1 antibody, MIB antibody, MKI-67 antibody, PPP1R105 antibody, Proliferation marker protein Ki-67 antibody, Proliferation related Ki-67 antibody, Protein phosphatase 1 regulatory subunit 105 antibody, RP11-380J17.2 antibody

Target/Specificity

Ki-67 is a nuclear protein that is considered to be essential for cellular proliferation since it is expressed only in active phases of the cell cycle (G1, S, G2 and mitosis) but not in resting phase G0 (Scholzen & Gerdes 2000). Ki-67 antibodies have therefore been widely used as markers of cell growth. Ki-67 has further been identified as a predicative and prognostic marker in breast, lung, cervical and other cancers (Yerushalmi et al., 2010; Folescu et al., 2018; Das et al., 2018).

Dilution

WB~~1:1000 IHC~~1:100~500

Format

Total IgY fraction

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Ki-67 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

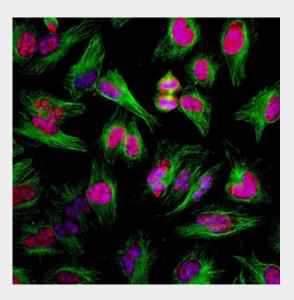


Anti-Ki-67 Antibody - Protocols

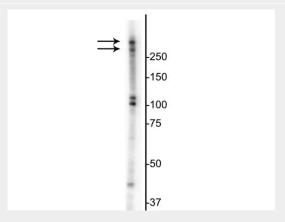
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Ki-67 Antibody - Images



Immunostaining of HeLa cells showing specific labeling of Ki-67 (cat. 1007-Ki67, 1:2000, red) present in cytoplasmic microtubules. Additional immunostaining done with β -tubulin in green and nuclear staining with DAPI (blue). During cell cycle Ki-67 protein is predominantly expressed in the nucleoli of cells during mitosis and interphase, and is not present during quiescence.



Western blot of serum starved then re-fed for 2.5 hr T47D cell lysate showing specific immunolabeling of the $\sim 345/395$ Ki-67 isoforms.

Anti-Ki-67 Antibody - Background





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