
Anti-Mouse/Rat Ki-67 Purified

Catalog Number: 14-5698

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information



Contents: Anti-Mouse/Rat Ki-67 Purified

Catalog Number: 14-5698

Clone: SolA15

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa



LOT



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

The monoclonal antibody SolA15 recognizes mouse and rat Ki-67, a 300 kDa nuclear protein. Ki-67 is present during all active phases of the cell cycle (G1, S, G2, and mitosis), but is absent from resting cells (G0). Ki-67 is detected within the nucleus during interphase but redistributes to the chromosomes during mitosis. Ki-67 is used as a marker for determining the growth fraction of a given population of cells. In studies of tumor cells, the "Ki-67 labeling index" refers to the number of Ki-67 positive cells within the population and this is used to predict outcome of particular cancer types. Ki-67 has been shown to interact with the DNA-bound protein chromobox protein homolog 3 (CBX3) (heterochromatin).

The SolA15 antibody also recognizes human and canine Ki-67.

Applications Reported

This SolA15 antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded (FFPE) tissue sections and frozen (paraformaldehyde fixed) sections and immunocytochemistry (ICC).

Applications Tested

This SolA15 antibody has been tested by immunohistochemistry on formalin-fixed paraffin embedded mouse skin with high or low pH antigen retrieval and immunocytochemistry on fixed and permeabilized C2C12 cells at less than or equal to 5 ug/mL. It is recommended that this antibody be carefully titrated for optimal performance in the assay of interest.

References

Starborg M, Gell K, Brundell E, Höög C. The murine Ki-67 cell proliferation antigen accumulates in the nucleolar and heterochromatic regions of interphase cells and at the periphery of the mitotic chromosomes in a process essential for cell cycle progression. *J Cell Sci.* 1996 Jan;109 (Pt 1):143-53.

Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein
00-4954 20X TBS Wash Buffer for IHC/ICC
00-4955 IHC Antigen Retrieval Solution – Low pH (10X)
00-4956 IHC Antigen Retrieval Solution – High pH (10X)
00-4958 Fluoromount-G™
14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)

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