Rabbit anti Ki-67 Polyclonal Antibody

Alternate Names: MKI67; antigen KI-67; proliferation-related Ki-67 antigen

Order Information

Description:	Rabbit anti Ki-67
Catalogue#:	500-1874
Lot#:	See the label
Size:	100 ug/200 ul
Host:	Rabbit
Clone:	N/A
Application:	ELISA, WB, IHC
Reactivity:	Hu/Rt/Ms

ANTIGEN PREPARATION

A synthetic peptide derived from human Ki-67 protein.

BACKGROUND

Ki-67, a proliferation marker is a nuclear protein that is associated with and may be necessary for cellular proliferation. It can be used as a biomarker with Bcl-2 (an apoptosis inhibitor), P53 and Pax 2 for immunohistostaining in carcinomas diagnosis. The differences in the immunocytochemical expression of those markers are correlated to the results with tumor grade and stage for a further accurate diagnosis.

PURIFICATION

The Rabbit IgG is purified by Epitope affinity purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes high molecular weight of Ki-67 protein. It reacts with human, rat and mouse. The other species are not tested.

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

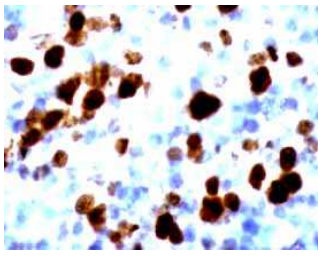
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.5-2 µg/ml
ELISA	0.1-1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	2-5 µg/m
Flowcytometry	Not tested

MOLECULAR WEIGHT:	345 & 395 kDa
POSITIVE CONTROL:	Breast carcinomas and lymph node
CELLULAR LOCATION:	Nuclei

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



IHC: Human lymph node stained with Anti-Ki-67 antibody (Cat# 500-1874) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

Mourtzikou A, Kosmas K, Marouga A, Stamouli M, Pouliakis A, Karakitsos P. The use of an immunocytochemical double-labeling staining can display the distribution of Bcl-2/Ki-67 cells in endometrial adenocarcinomas as well as in normal endometrium. Clin Lab. 2012;58(1-2):133-44.

FOR RESEARCH USE ONLY.

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