



# ELK Biotechnology

Ki67 Mouse mAb

Catalog NO.: EM1064

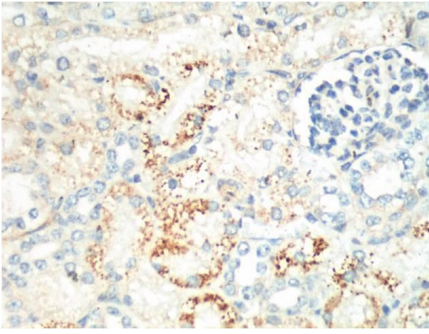
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## Overview

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Product name	Ki67 Mouse Monoclonal antibody
Source	Mouse
Applications	IHC
Species reactivity	Human Rat Mouse
Recommended dilutions	Immunohistochemistry:1/200 <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	N/A
GenelD (Human)	4288
Human Swiss-Prot No.	P46013
Cellular localization	Chromosome Nucleus
Alternative Names	KIA MKI67
Background	Antigen KI-67 is a nuclear protein that is associated with and may be necessary for cellular proliferation. Furthermore it is associated with ribosomal RNA transcription. Inactivation of antigen KI-67 leads to inhibition of ribosomal RNA synthesis. The Ki-67 protein (also known as MKI67) is a cellular marker for proliferation. It is strictly associated with cell proliferation. During interphase the Ki-67 antigen can be exclusively detected within the cell nucleus whereas in mitosis most of the protein is relocated to the surface of the chromosomes. Ki-67 protein is present during all active

phases of the cell cycle (G1 S G2 and mitosis) but is absent from resting cells (G0).



IHC staining of Mouse Kidney tissue with Ki 67 mouse mAb(4A8) diluted at:200.