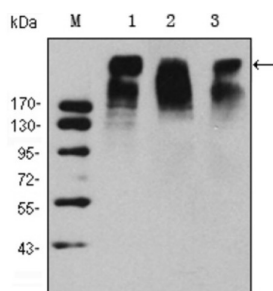
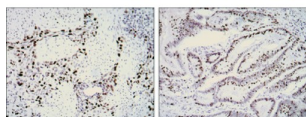


## Proliferation Marker Protein Ki-67 (MKI67) Antibody

Catalogue No.: abx016074



Western blot analysis using Ki67 antibody against Hela (1), MCF-7 (2) and Raji (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded lung cancer (left) and rectal cancer (right) using Ki67 antibody with DAB staining.

Ki67, also known as MKI67, is the prototypic cell cycle related nuclear protein, expressed by proliferating cells in all phases of the active cell cycle (G1, S, G2 and M phase). It is absent in resting (G0) cells. Ki67 antibodies are useful in establishing the cell growing fraction in neoplasms (immunohistochemically quantified by determining the number of Ki67 positive cells among the total number of resting cells = Ki67 index). In neoplastic tissues the prognostic value is comparable to the tritiated thymidine labelling index. The correlation between low Ki67 index and histologically low grade tumours is strong. Ki67 is routinely used as a neuronal marker of cell cycling and proliferation.

**Target:** Proliferation Marker Protein Ki-67 (MKI67)

**Clonality:** Monoclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB, IHC

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Synthetic peptide corresponding to aa (CEDLAGFKELFQTPG) of human Ki67, conjugated to KLH.

**Isotype:** IgG<sub>1</sub>

# Datasheet

Version: 3.0.0

Revision date: 01 May 2025



|                            |  |
|----------------------------|--|
| <b>Form:</b>               | Liquid   |
| <b>Purification:</b>       | Unpurified ascites.  |
| <b>Storage:</b>            | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.   |
| <b>UniProt Primary AC:</b> | P46013 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )  |
| <b>Gene Symbol:</b>        | MKI67  |
| <b>GeneID:</b>             | <a href="#">4288</a>   |
| <b>OMIM:</b>               | <a href="#">176741</a>   |
| <b>HGNC:</b>               | 7107   |
| <b>KEGG:</b>               | hsa:4288   |
| <b>Ensembl:</b>            | ENSG00000148773  |
| <b>String:</b>             | <a href="#">9606.ENSP00000357643</a>   |
| <b>Molecular Weight:</b>   | 358 kDa  |
| <b>Buffer:</b>             | Ascitic fluid containing 0.03% sodium azide.   |
| <b>Concentration:</b>      | Not determined.  |
| <b>Note:</b>               | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |