

MKI67 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant MKI67.****Catalog # AT2871a****Specification**

MKI67 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, E
Primary Accession	P46013
Other Accession	NM_002417
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	358694

MKI67 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 4288**Other Names**

Antigen KI-67, MKI67

Target/Specificity

MKI67 (NP_002408, 3157 a.a. ~ 3256 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

MKI67 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

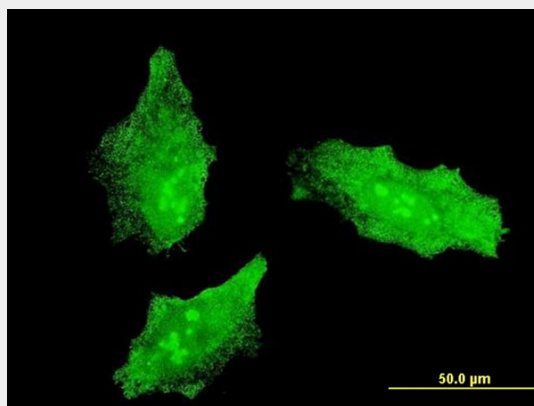
MKI67 Antibody (monoclonal) (M01) - Protocols

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

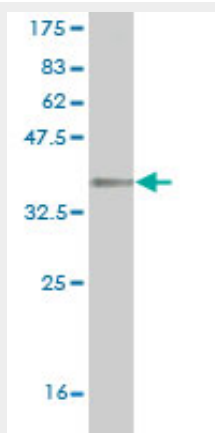
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

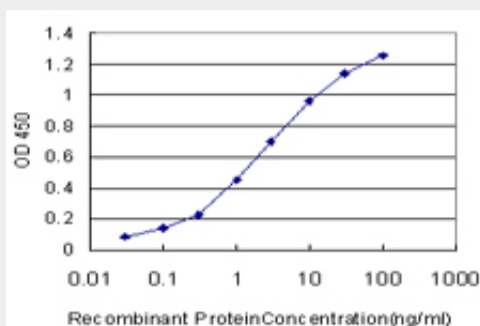
MKI67 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to MKI67 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged MKI67 is approximately 0.03ng/ml as a capture antibody.

MKI67 Antibody (monoclonal) (M01) - Background

This gene encodes a nuclear protein that is associated with and may be necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X.

MKI67 Antibody (monoclonal) (M01) - References

Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624. Aberrant expression of CD133 protein correlates with Ki-67 expression and is a prognostic marker in gastric adenocarcinoma. Zhao P, et al. BMC Cancer, 2010 May 20. PMID 20487522. Immunohistochemical overexpression of the p53 protein and Ki-67 (MIB-1) antigen in patients with GERD and chronic esophagitis. Binato M, et al. Appl Immunohistochem Mol Morphol, 2010 May. PMID 20414055. Ki-67 expression is superior to mitotic count and novel proliferation markers PHH3, MCM4 and mitotin as a prognostic factor in thick cutaneous melanoma. Ladstein RG, et al. BMC Cancer, 2010 Apr 14. PMID 20398247. CD147 expression in pituitary adenomas and its significance for clinical outcome. Qu X, et al. Hum Pathol, 2010 Aug. PMID 20381119.

MKI67 Antibody (monoclonal) (M01) - Citations

- [Noncanonical ATM Activation and Signaling in Response to Transcription-Blocking DNA Damage.](#)
- [Potential carcinogenic effects of cigarette smoke and Swedish moist snuff on pancreas: a study using a transgenic mouse model of chronic pancreatitis.](#)