# Ki67 Rabbit mAb

Catalog No: #48871

Package Size: #48871-1 50ul #48871-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

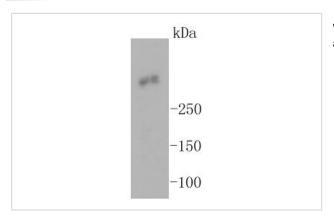
## Description

| Product Name          | Ki67 Rabbit mAb  |
|-----------------------|--|
| Host Species          | Recombinant Rabbit   |
| Clonality             | Monoclonal antibody  |
| Clone No.             | ST50-01  |
| Purification          | ProA affinity purified   |
| Applications          | WB, IHC, FC, IF  |
| Species Reactivity    | Human  |
| Immunogen Description | recombinant protein  |
| Conjugates            | Unconjugated   |
| Other Names           | Antigen identified by monoclonal antibody Ki 67 antibody Antigen identified by monoclonal antibody Ki-67 antibody Antigen KI-67 antibody KI |
|                       | antibody Marker of proliferation Ki-67 antibody MIB 1 antibody MIB antibody MKI67 antibody PPP1R105  |
|                       | antibody Proliferation marker protein Ki-67 antibody Proliferation related Ki 67 antigen antibody Protein  |
|                       | phosphatase 1 regulatory subunit 105 antibody RP11-380J17.2 antibody   |
| Accession No.         | Swiss-Prot#:P46013   |
| Calculated MW         | 359 kDa  |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.   |
| Storage               | Store at -20°C   |
|                       |  |

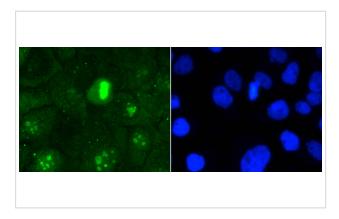
## **Application Details**

WB 1:1000-1:2000 IHC 1:100-1:200IF 1:50-1:200 FC 1:20-1:100

### **Images**



Western blot analysis of Ki67 on HepG2 cell lysates using anti-Ki67 antibody at 1/1,000 dilution.



### Background

Ki-67 is a nuclear protein that is expressed in proliferating cells and may be required for maintaining cell proliferation. Ki-67 has been used as a marker for cell proliferation of solid tumors and some hematological malignancies. A correlation has been demonstrated between Ki-67 index and the histopathological grade of neoplasms. Assessment of Ki-67 expression in renal and ureter tumors shows a correlation between tumor proliferation and disease progression, thus making it possible to differentiate high-risk patients. Ki-67 expression may also prove to be important for distinguishing between malignant and benign peripheral nerve sheath tumors.

#### References

1. Cuylen S. et al. Ki-67 acts as a biological surfactant to disperse mitotic chromosomes. Nature 535:308-312(2016).2. Booth D.G. et al. Ki-67 is a PP1-interacting protein that organises the mitotic chromosome periphery. Elife 3:E01641-E01641(2014).

### **Published Papers**

el at., Dehydroabietylamine exerts antitumor effects by affectingnucleotide metabolism in gastric cancer. In Carcinogenesis on 2024 Oct 10 by Jingsong Ma, Jiabao Zhao, et al..PMID:38869064, , (2024)

PMID:38869064

Note: This product is for in vitro research use only and is not intended for use in humans or animals.