Ki67 Rabbit mAb

Catalog No: #48871

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

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

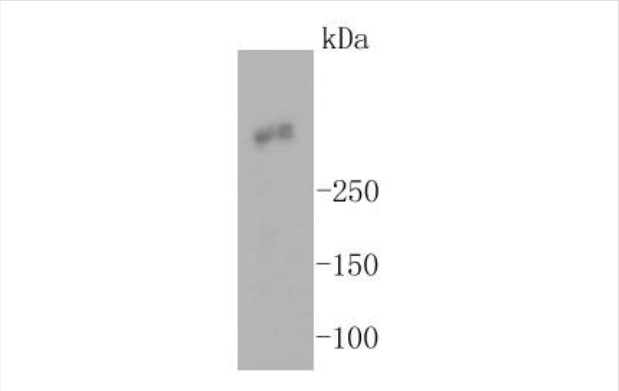
Description

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 Antigen KI67 antibody Antigen Ki67 antibody KI67_HUMAN antibody KIA 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

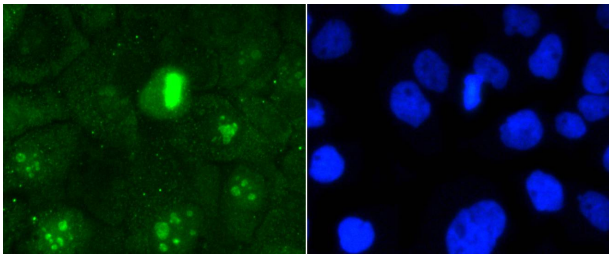
Application Details

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

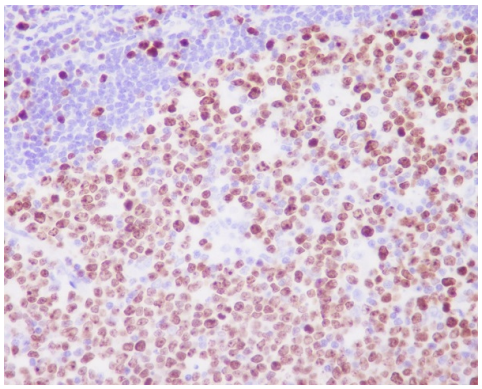
Images



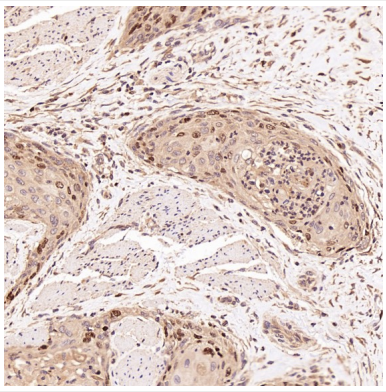
Western blot analysis of Ki67 on HepG2 cell lysates using anti-Ki67 antibody at 1/1,000 dilution.



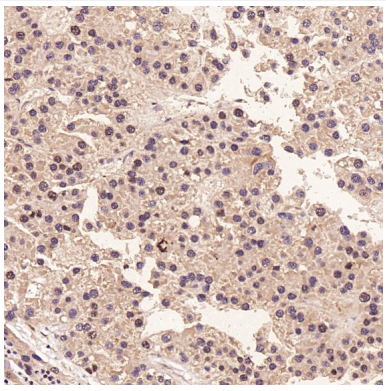
Immunofluorescent analysis of Hela cells, using Ki67 Antibody.



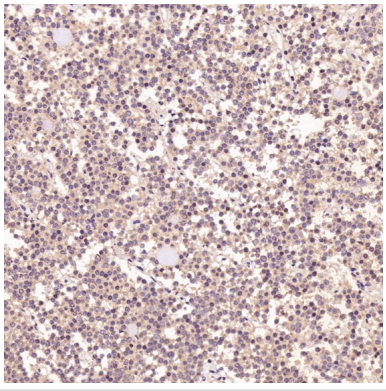
Immunohistochemical analysis of paraffin-embedded human tonsil, using Ki67 Antibody.



Immunohistochemical analysis of paraffin-embedded Human esophageal carcinoma, using the Antibody at 1:3000 dilution.



Immunohistochemical analysis of paraffin-embedded Human liver cancer, using the Antibody at 1:3000 dilution.



Immunohistochemical analysis of paraffin-embedded Human pituitary tumor, using the Antibody at 1:3000 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.