

# Product Datasheet

## Ki67/MKI67 Antibody (1297A) - Azide and BSA Free NBP2-80822

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-80822](http://www.novusbio.com/NBP2-80822)

Updated 2/9/2023 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-80822](http://www.novusbio.com/reviews/destination/NBP2-80822)



**NBP2-80822**

Ki67/MKI67 Antibody (1297A) - Azide and BSA Free

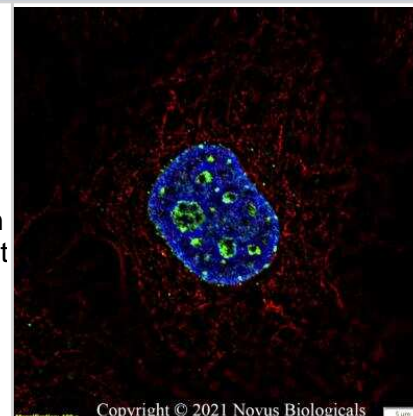
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1297A
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	351 kDa

Product Description	
Host	Rabbit
Gene ID	4288
Gene Symbol	MKI67
Species	Human, Mouse
Immunogen	The immunogen for this Ki67/MKI67 Antibody (1297A) was made using a synthetic peptide from the internal portion of Mouse Ki67/MKI67, between amino acids 1850-1950 [UniProt# E9PVX6].

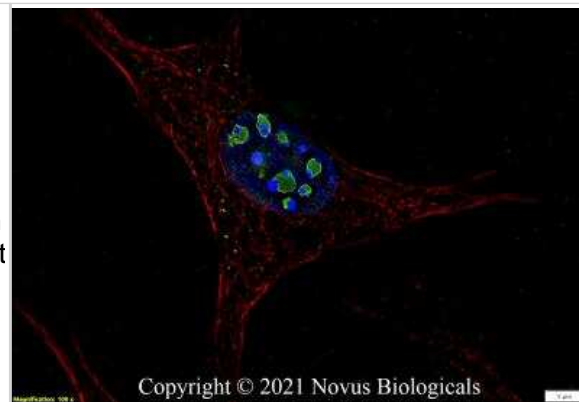
Product Application Details	
Applications	Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Knockout Validated
Recommended Dilutions	Flow Cytometry : 1 ug/ml, Immunohistochemistry : 3-15 ug/ml, Immunocytochemistry/Immunofluorescence 1-10 ug/ml, Immunohistochemistry-Paraffin : 3-15 ug/ml, Flow (Intracellular) : 1 ug/ml, CyTOF-ready, Knockout Validated

**Images**

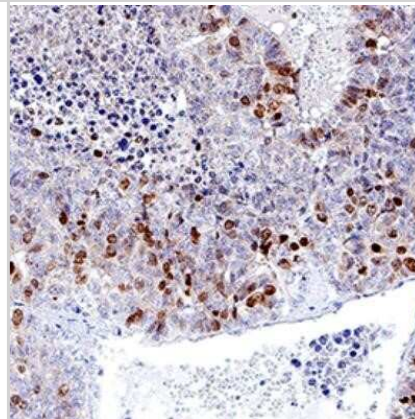
Immunocytochemistry/Immunofluorescence: Ki67/MKI67 Antibody (1297A) - Azide and BSA Free [NBP2-80822] - A431 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.5% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-Ki67/MKI67 Antibody (1297A) NBP2-80822 at 2 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse Dylight 550 (Red) at a 1:1000 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



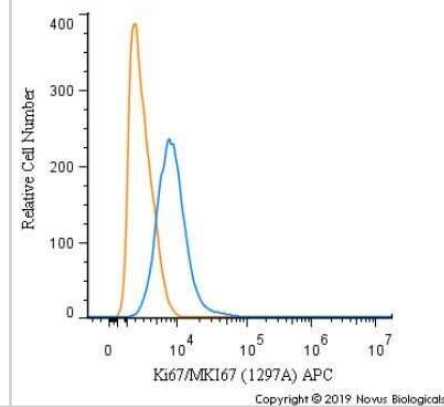
**Immunocytochemistry/Immunofluorescence: Ki67/MKI67 Antibody (1297A) - Azide and BSA Free [NBP2-80822] - NIH3T3 cells** were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.5% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-Ki67/MKI67 Antibody (1297A) NBP2-80822 at 2 ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:1000 dilution for 60 minutes. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:1000 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



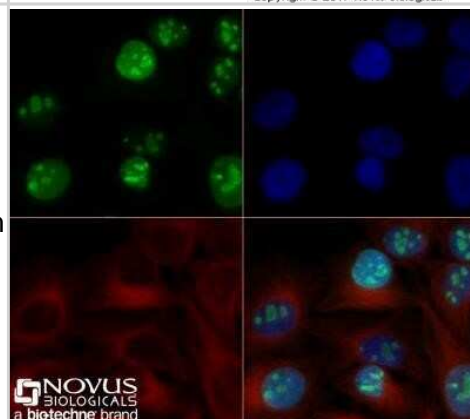
**Immunohistochemistry: Ki67/MKI67 Antibody (1297A) - Azide and BSA Free [NBP2-80822] - Ki-67/MKI67** was detected in immersion fixed paraffin-embedded sections of human liver cancer tissue using Rabbit Anti-Human Ki-67/MKI67 Monoclonal Antibody at 3 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Rabbit IgG.



**Flow Cytometry: Ki67/MKI67 Antibody (1297A) - Azide and BSA Free [NBP2-80822] - An intracellular stain** was performed on HeLa cells with Ki67/MKI67 Antibody [1297A] NBP2-54791APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Allophycocyanin.



**Immunocytochemistry/Immunofluorescence: Ki67/MKI67 Antibody (1297A) - Azide and BSA Free [NBP2-80822] - HeLa cells** were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Ki67/MKI67 (1297A) at 2.0 ug/mL overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.





### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to NBP2-80822

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB110-90592PEP	Ki67/MKI67 Antibody Blocking Peptide

---

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-80822](http://www.novusbio.com/reviews/submit/NBP2-80822)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

