

# Product Datasheet

## Keap1 Antibody (OTI1B4) - Azide and BSA Free NBP2-71496

Unit Size: 100 ug

Store at -20C. 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/NBP2-71496](http://www.novusbio.com/NBP2-71496)

Updated 9/9/2025 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/NBP2-71496](http://www.novusbio.com/reviews/destination/NBP2-71496)



**NBP2-71496**

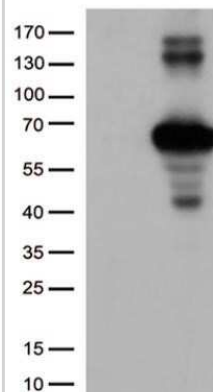
Keap1 Antibody (OT11B4) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OT11B4
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	69.5 kDa
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse Keap1 Antibody (OT11B4) - Azide and BSA Free (NBP2-03319) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9817
Gene Symbol	KEAP1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human KEAP1(NP_987096) produced in HEK293T cell.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready, Knockout Validated
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:20 - 1:50, CyTOF-ready, Knockout Validated

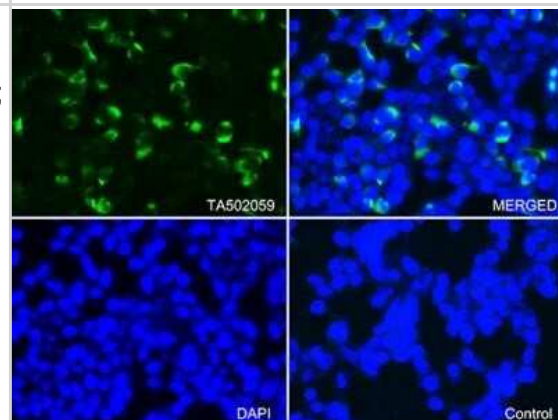


## Images

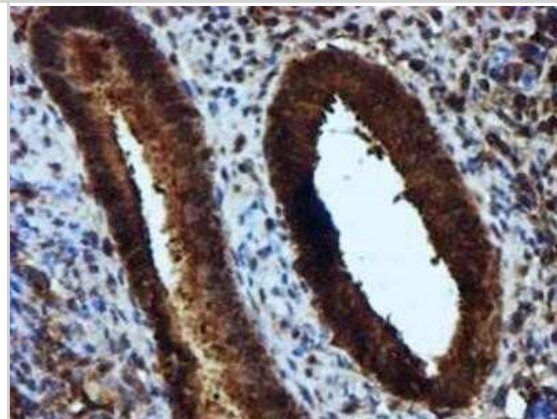
Western Blot: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KEAP1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KEAP1 (1:1000).



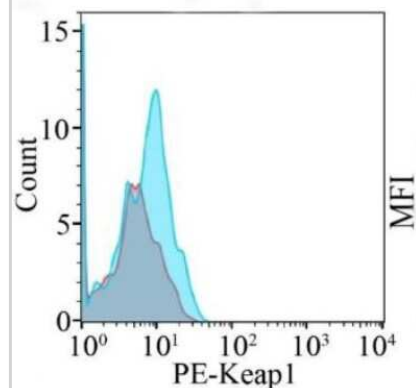
Immunocytochemistry/Immunofluorescence: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - Staining of 293T cells transfected by pCMV6-ENTRY KEAP1 using anti-KEAP1 antibody (green, upper left; DAPI/blue, lower left; MERGED, upper right). 293T cells transfected with empty vector served as a negative control (MERGED, lower right) (1:100).



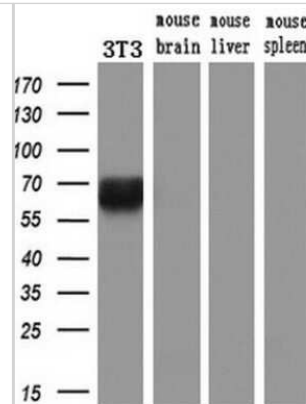
Immunohistochemistry: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - Staining of paraffin-embedded Human endometrium tissue using anti-KEAP1 mouse monoclonal antibody.



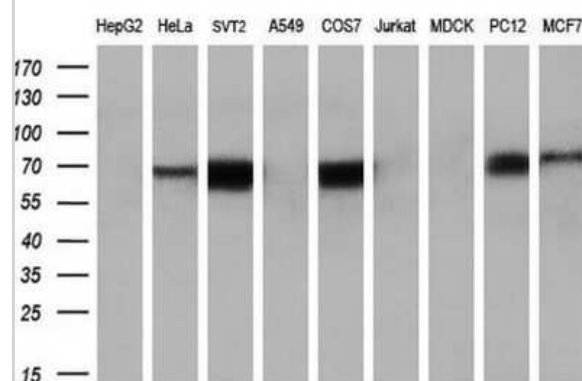
Flow Cytometry: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - The levels of Keap1 were analyzed and quantified using geometric mean fluorescence intensity (MFI) by flow cytometry. Analysis using PE conjugated version on antibody (NBP2-71496PE). Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32765513/>) licensed under a CC-BY license.



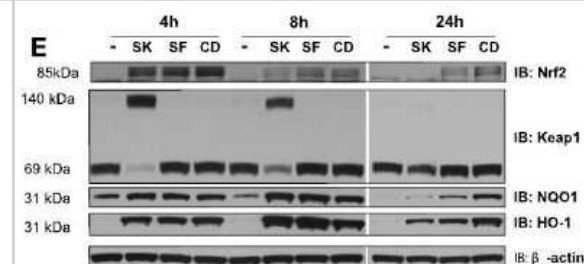
Western Blot: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - Analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues used at a 1:200 dilution.



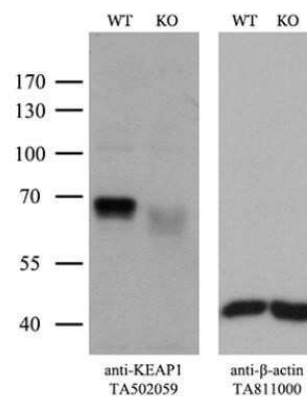
Western Blot: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - Analysis of extracts (35ug) from 9 different cell lines by using anti-KEAP1 monoclonal antibody at 1:200 dilution. (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human)



Western Blot: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - Analysis of human BEAS2B cells.



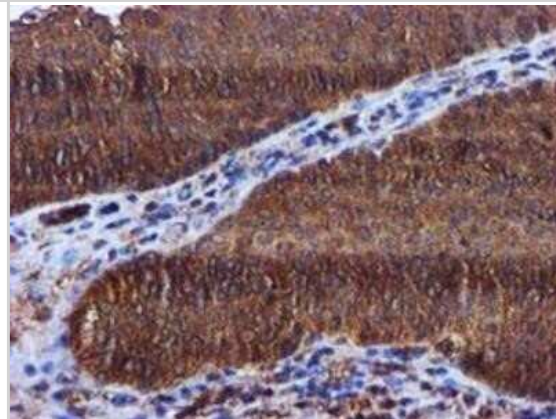
Western Blot: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells and KEAP1-Knockout HeLa cells were separated by SDS-PAGE and immunoblotted with anti-KEAP1 monoclonal antibody. Then the blotted membrane was stripped and reprobed with anti-beta



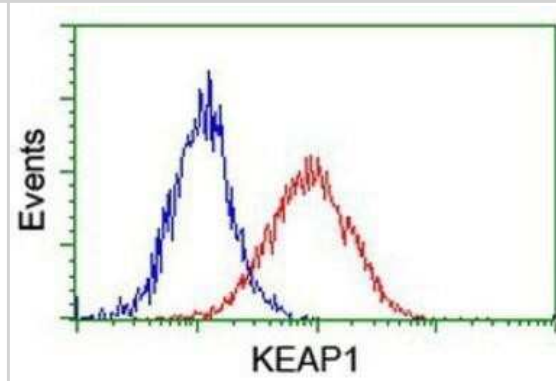
Immunohistochemistry: Keap1 Antibody (OTI1B4) - Azide and BSA Free [NBP2-71496] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-KEAP1 mouse monoclonal antibody.



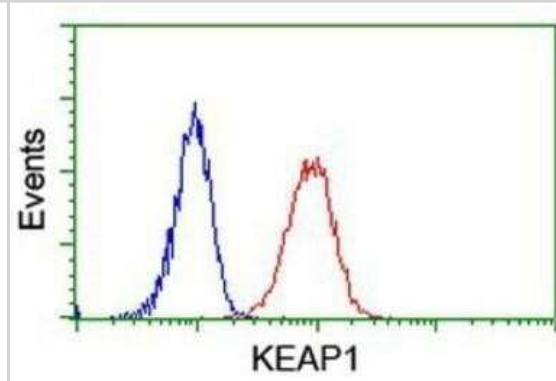
Immunohistochemistry: Keap1 Antibody (OTI1B4) - Azide and BSA Free [NBP2-71496] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-KEAP1 mouse monoclonal antibody.



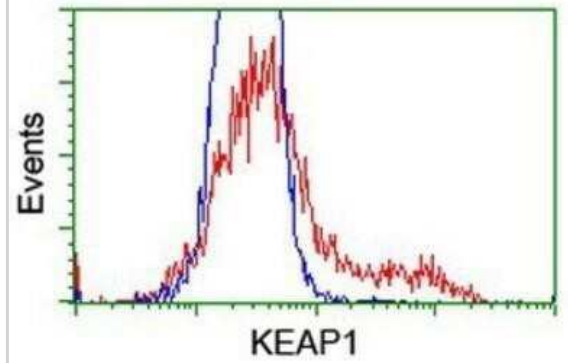
Flow Cytometry: Keap1 Antibody (OTI1B4) - Azide and BSA Free [NBP2-71496] - Analysis of Hela cells, using anti-KEAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Flow Cytometry: Keap1 Antibody (OTI1B4) - Azide and BSA Free [NBP2-71496] - Analysis of Jurkat cells, using anti-KEAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



CyTOF-ready: Keap1 Antibody (OT11B4) - Azide and BSA Free [NBP2-71496] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostaining by anti-KEAP1 antibody, and then analyzed by flow cytometry.





### **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 NBP2-71496**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

---

### **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/NBP2-71496](http://www.novusbio.com/reviews/submit/NBP2-71496)

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

