

Product Datasheet

Keap1 Antibody (OTI1B4) NBP2-03319

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-03319

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-03319



NBP2-03319

Keap1 Antibody (OTI1B4)

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1B4
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	69.5 kDa

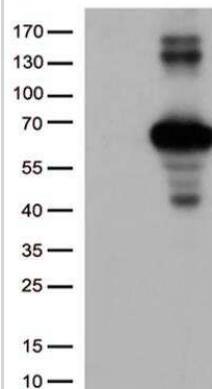
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse Keap1 Antibody (OTI1B4) (NBP2-03319) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Keap1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Knockout Validated
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:150, Knockout Validated

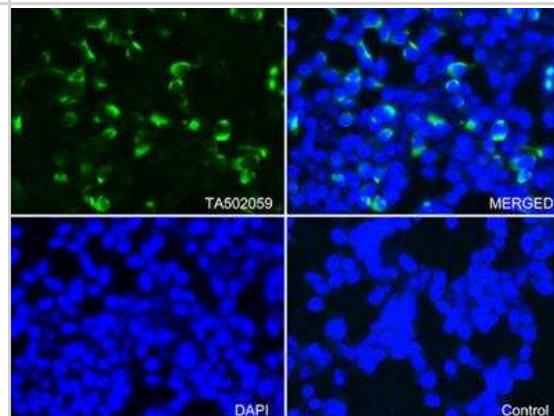


Images

Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - 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).



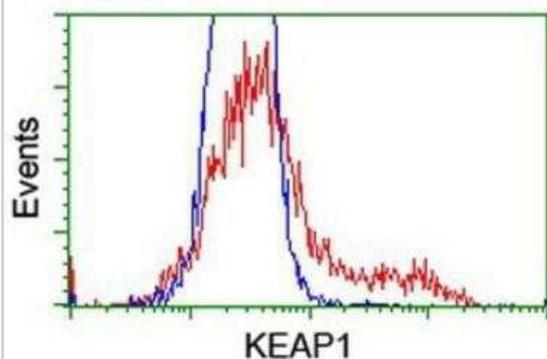
Immunocytochemistry/Immunofluorescence: Keap1 Antibody (OT11B4) [NBP2-03319] - Immunofluorescent staining of 293T cells transfected with pCMV6-ENTRY KEAP1 using anti-KEAP1 antibody (green, upper left; DAPI/blue, lower left; MERGED, upper right). 293T cells transfected with empty vector served as a negative control (MERGED, lower right) (1:100).



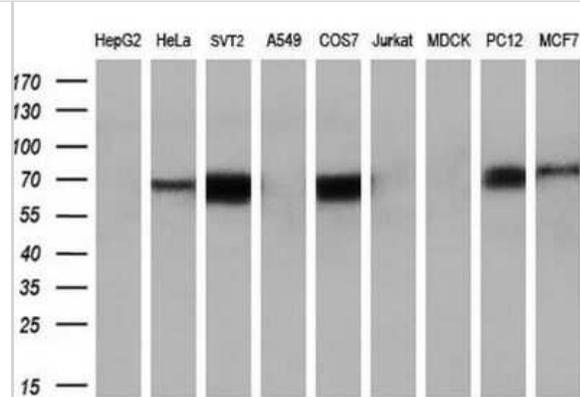
Immunohistochemistry-Paraffin: Keap1 Antibody (OT11B4) [NBP2-03319] - Staining of paraffin-embedded Human endometrium tissue using anti-KEAP1 mouse monoclonal antibody.



Flow Cytometry: Keap1 Antibody (OT11B4) [NBP2-03319] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-KEAP1 antibody, and then analyzed by flow cytometry.



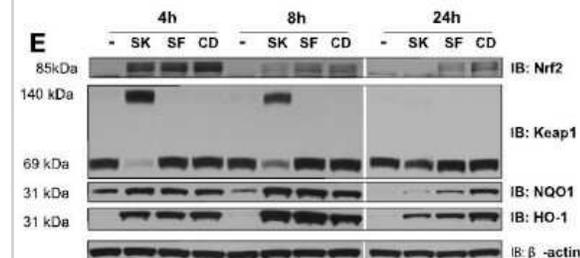
Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - Analysis of extracts (35ug) from 9 different cell lines by using anti-KEAP1 monoclonal antibody at 1:200 dilution. (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human)



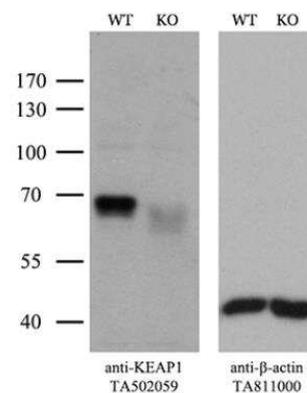
Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - Analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues used at a 1:200 dilution.



Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - Analysis of human BEAS2B cells.



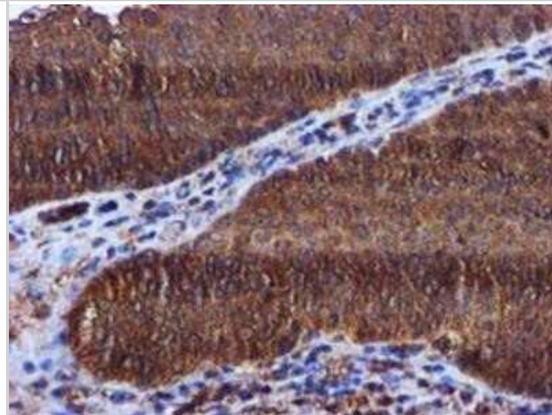
Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - Equivalent amounts of cell lysates (10 ug per lane) of wild-type Hela cells and KEAP1-Knockout Hela cells were separated by SDS-PAGE and immunoblotted with anti-KEAP1 monoclonal antibody. Then the blotted membrane was stripped and reprobed with anti-beta-actin antibody as a loading control (1:500).



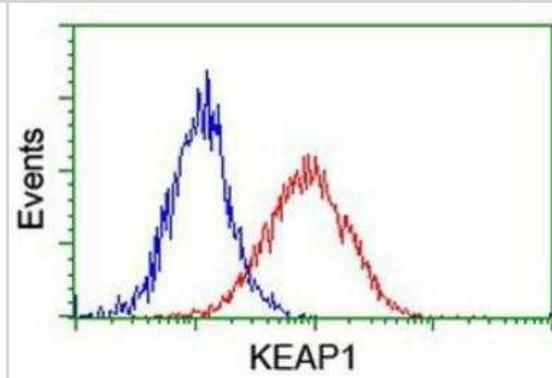
Immunohistochemistry-Paraffin: Keap1 Antibody (OTI1B4) [NBP2-03319] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-KEAP1 mouse monoclonal antibody.



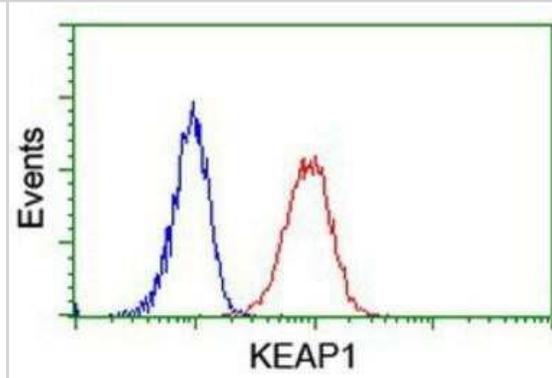
Immunohistochemistry-Paraffin: Keap1 Antibody (OTI1B4) [NBP2-03319] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-KEAP1 mouse monoclonal antibody.



Flow Cytometry: Keap1 Antibody (OTI1B4) [NBP2-03319] - Analysis of Hela cells, using anti-KEAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Flow Cytometry: Keap1 Antibody (OTI1B4) [NBP2-03319] - Analysis of Jurkat cells, using anti-KEAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Publications

Seok JH, Kim DH, Kim HJ et al. Epigallocatechin-3-gallate suppresses hemin-aggravated colon carcinogenesis through Nrf2-inhibited mitochondrial reactive oxygen species accumulation *Journal of Veterinary Science* 2022-08-18 [PMID: 36174978]

Deng H, Chen Y, Liu H et al. Study of the effect of Keap1 on oxidative stress in human umbilical cord mesenchymal stem cells *Research Square* 2023-09-05

Licht-Mayer S, Wimmer I, Traffehn S et al. Cell type-specific Nrf2 expression in multiple sclerosis lesions. *Acta Neuropathol* 2015-08-01 [PMID: 26087903]





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 NBP2-03319

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-03319

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

