

# Product Datasheet

## Keap1 Antibody (OTI1B4) [PE] NBP2-71496PE

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-71496PE**

Keap1 Antibody (OTI1B4) [PE]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	OTI1B4
Preservative	0.05% Sodium Azide
Isotype	IgG1
Conjugate	PE
Purity	Immunogen affinity purified
Buffer	PBS

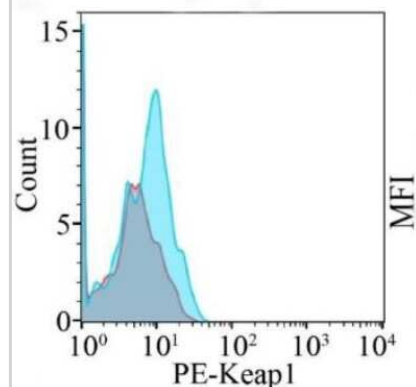
Product Description	
Host	Mouse
Gene ID	9817
Gene Symbol	KEAP1
Species	Human, Mouse, Rat, Monkey
Immunogen	Full length recombinant protein of human Keap1 (NP_987096) produced in HEK293T cells.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.

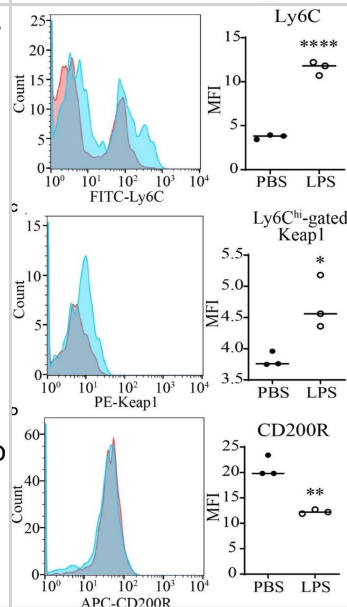


## Images

Flow Cytometry: Keap1 Antibody (OTI1B4) [PE] [NBP2-71496PE] - The levels of Keap1 (NBP2-71496PE) were analyzed and quantified using geometric mean fluorescence intensity (MFI) by flow cytometry. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32765513/>) licensed under a CC-BY license.



Flow Cytometry: Keap1 Antibody (OTI1B4) [PE] [NBP2-71496PE] - SLD-LPS-mediated Keap1 accumulation is correlated with a pro-inflammatory monocyte phenotype. BMDMs were treated with either PBS or SLD-LPS (100 pg/mL) for 5 days. (A) Representative Co-IP result with no lysate IP (just antibody & beads) (Con.) & the whole cell lysate input (WCL) controls. Keap1 antibody was used to pull-down Nrf2 (upper blot), & Nrf2 was used to pull down Keap1 (lower blot). See Supplemental Figures S3, S4 for un-altered blots. (B–D) The levels of Ly6C (B), Keap-1 (C), & CD200R (D) were analyzed & quantified using geometric mean fluorescence intensity (MFI) by flow cytometry. (E–G) Representative western blots of IKK $\beta$  (E), p-p65 (S536) (F), & total NF- $\kappa$ B p65 (G) in monocytes with quantification on the left. (H) p-p65/total p65 ratio. All data are representative of at least 3 separate experiments (n = 3, except for IKK- $\beta$  where n = 5). Unpaired student t-test. \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001, \*\*\*\*p < 0.0001. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32765513/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Rahtes, A & Li, L. Polarization of Low-Grade Inflammatory Monocytes Through TRAM-Mediated Up-Regulation of Keap1 by Super-Low Dose Endotoxin. Front Immunol 2020-08-09 [PMID: 32765513]



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### **Products Related to NBP2-71496PE**

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NBP1-97005PE	Mouse IgG1 Isotype Control (MG1) [PE]
NBP1-83106PEP	Keap1 Recombinant Protein Antigen
E3-310-050	Keap1 [Unconjugated]
H00008878-M01	p62/SQSTM1 Antibody (2C11)

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### **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.

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