

# 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

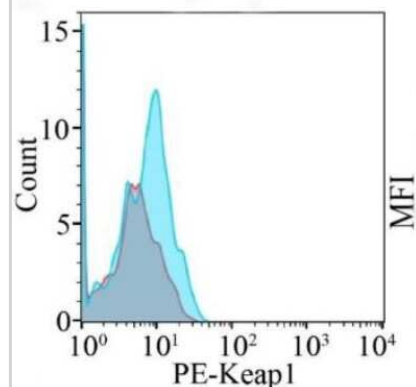
Product Description	
Host	Mouse
Gene ID	9817
Gene Symbol	KEAP1
Species	Human, Mouse, Rat, Monkey
Immunogen	Full length recombinant protein of human Keap1 (NP_987096) produced in HEK293T cells.

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.

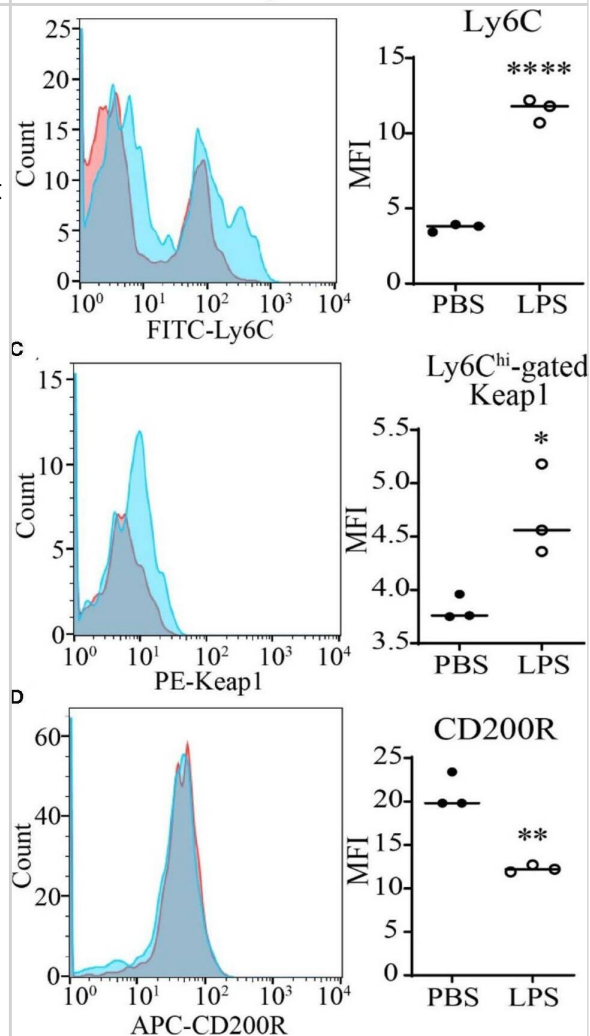


## Images

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.



Correlation between HIF- $\alpha$ , FASN Protein Levels and HIF Target Gene Expression in Adipogenesis and Prostate Cancer. (A) Downregulation of HIF- $\alpha$  protein levels by 25-OH treatment. HCT116, HeLa and 293 T cells were treated with 25-OH for 72 h and incubated for the last 4 h in 1% oxygen. HIF- $\alpha$  levels were analyzed by western blotting. (B) Hif- $\alpha$  activation during differentiation of 3T3-L1 cells into adipocytes. Confluent 3T3-L1 cells were cultured for 14 days in regular medium (1), or differentiation medium in the presence of insulin alone (2) or with insulin, dexamethasone, and 3-isobutyl-1-methylxanthine (3). Fasn, Hif- $\alpha$  and Redd1 expression was analyzed by western blotting. Lipid accumulation was monitored by staining with Oil-Red O. (C) Time-dependent changes of Hif target gene expression during 3T3-L1 differentiation. Inducers of differentiation were added at Day 2. mRNAs of the Hif target genes were measured by qPCR in biological triplicates and technical duplicates as a total of 6 samples and normalized against the reference gene Tbp and Day 2 samples. Data plots with p-value larger than 0.01 were indicated by red brackets and a red arrow additionally showing Vegfa at Day 2. Lipid staining results with Oil-Red O are shown under the graph for each time point. (D) Stability of Hif-1 $\alpha$  protein. Stability was measured after oxygen concentration shift (1.0% to 21% oxygen) for undifferentiated cells, cycloheximide (CHX) addition for undifferentiated cells in hypoxia, or cycloheximide addition for differentiated cells in normoxia. (E) Gene expression profiles of prostate cancer patients obtained from IST Online (MediSapiens) was analyzed, and mRNA levels of several HIF target genes were examined in correlation with FASN levels. Patient samples co-overexpressed with FASN are indicated with a horizontal bar. M stage: metastasis, PSA: prostate-specific antigen. Experiments were repeated twice (A,B,D), and the results were reproduced. The qPCR experiment (C) was performed once with biological triplicates. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/28775317/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.





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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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