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Datasheet for ABIN702085

## anti-KEAP1 antibody (AA 65-160)

2 Images

5 Publications

### Overview

Quantity:	100 µL
Target:	KEAP1
Binding Specificity:	AA 65-160
Reactivity:	Human, Mouse, Rat, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KEAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KEAP1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rabbit, Rat
Predicted Reactivity:	Dog,Cow
Purification:	Purified by Protein A.

### Target Details

Target:	KEAP1
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## Target Details

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Alternative Name: [KEAP1 \(KEAP1 Products\)](#)

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Background: Synonyms: INrf2, KLHL19, Kelch-like ECH-associated protein 1, Cytosolic inhibitor of Nrf2, Kelch-like protein 19, KEAP1, KIAA0132

Background: Acts as a substrate adapter protein for the E3 ubiquitin ligase complex formed by CUL3 and RBX1 and targets NFE2L2/NRF2 for ubiquitination and degradation by the proteasome, thus resulting in the suppression of its transcriptional activity and the repression of antioxidant response element-mediated detoxifying enzyme gene expression. Retains NFE2L2/NRF2 and may also retain BPTF in the cytosol. Targets PGAM5 for ubiquitination and degradation by the proteasome.

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Gene ID: 9817

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UniProt: [Q14145](#)

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Pathways: [Maintenance of Protein Location](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: 4 °C, -20 °C

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## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

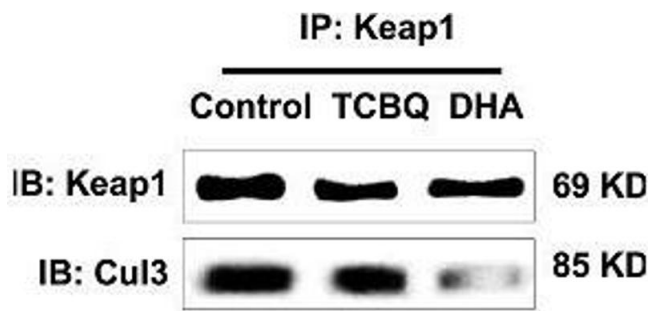
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Expiry Date: 12 months

## Publications

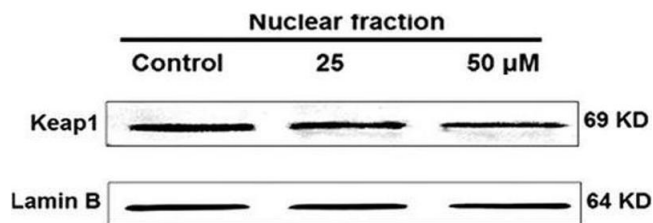
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- Product cited in: Su, Liu, Wang, Wang, Song, Song: "The electrophilic character of quinones is essential for the suppression of Bach1." in: **Toxicology**, Vol. 387, pp. 17-26, (2017) ([PubMed](#)).
- Kouam, Yuan, Njyou, He, Tsayem, Oladejo, Song, Moundipa, Gao: "Induction of Mkp-1 and Nuclear Translocation of Nrf2 by Limonoids from *Khaya grandifoliola* C.DC Protect L-02 Hepatocytes against Acetaminophen-Induced Hepatotoxicity." in: **Frontiers in pharmacology**, Vol. 8, pp. 653, (2017) ([PubMed](#)).
- Chen, Lin, Liu, Hsu, Lin, Su: "Caveolin-1 Expression Ameliorates Nephrotic Damage in a Rabbit Model of Cholesterol-Induced Hypercholesterolemia." in: **PLoS ONE**, Vol. 11, Issue 4, pp. e0154210, (2016) ([PubMed](#)).
- Su, Zhang, Song, Shi, Fu, Xia, Bai, Hu, Xu, Song, Song: "Tetrachlorobenzoquinone activates nrf2 signaling by keap1 cross-linking and ubiquitin translocation but not keap1-cullin3 complex dissociation." in: **Chemical research in toxicology**, Vol. 28, Issue 4, pp. 765-74, (2015) ([PubMed](#)).
- Su, Xia, Shi, Song, Fu, Xiao, Chen, Lu, Sun, Wu, Yang, Li, Ye, Song, Song: "Neohesperidin Dihydrochalcone versus CCl<sub>4</sub>-Induced Hepatic Injury through Different Mechanisms: The Implication of Free Radical Scavenging and Nrf2 Activation." in: **Journal of agricultural and food chemistry**, Vol. 63, Issue 22, pp. 5468-75, (2015) ([PubMed](#)).



### Immunoprecipitation

**Image 1.** This image was generously provided by Yang Song, Ph.D. at Southwest University in Chong Qing, China. HepG2 cells were incubated with Rabbit Anti-KEAP1 Polyclonal Antibody at 4°C overnight and then mixed with Protein A agarose beads at 4°C for 3hrs. The solutions were centrifuged and the pellets were washed with lysis buffer, heated, and subsequently analyzed by Western blotting.



### Western Blotting

**Image 2.** This image was generously provided by Yang Song, Ph.D. from Southwest University, Chong Qing, China. Human HepG2 cells incubated with Rabbit Anti-KEAP1 Polyclonal Antibody overnight at 4°C followed by incubation with a secondary antibody for 2hrs. Lamin B was used as a loading control.