

KEAP1 Rabbit pAb

Catalog Number: bs-3648R

Target Protein: KEAP1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1 μ g/Test), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Dog)

Predicted MW: 69 kDa

Entrez Gene: 9817

Swiss Prot: Q14145

Source: KLH conjugated synthetic peptide derived from human KEAP1: 65-160/624.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

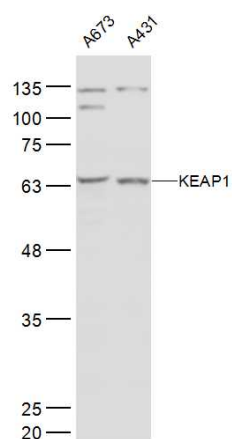
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008].

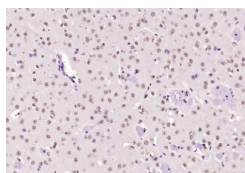
VALIDATION IMAGES



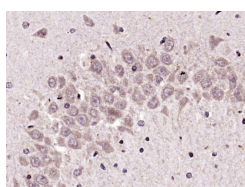
This image was generously provided by Yang Song, Ph.D. at Southwest University in Chong Qing, China. HepG2 cells were incubated with Rabbit Anti-KEAP1 Polyclonal Antibody (bs-3648R) at 4°C overnight and then mixed with Protein A agarose beads at 4°C for 3hrs. The solutions were centrifuged and the pellets were washed with lysis buffer, heated, and subsequently analyzed by Western blotting.



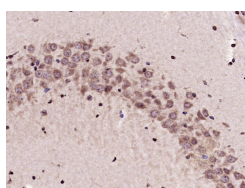
Sample: A673(Human) Cell Lysate at 30 ug A431(Human) Cell Lysate at 30 ug Primary: Anti-KEAP1 (bs-3648R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 69 kD Observed band size: 69 kD



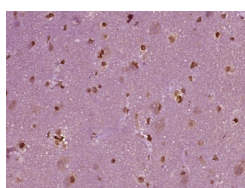
Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (bs-3648R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (bs-3648R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (bs-3648R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (bs-3648R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.675] Xiaoxiao Zou. et al. Milk Fat Globule Membrane Relieves Fatigue via Regulation of Oxidative Stress and Gut Microbiota in BALB/c Mice. ANTIOXIDANTS-BASEL. 2023 Mar;12(3):712 WB ; Mouse . 36978962

[IF=8.2] Haichao Wang. et al. The gut-liver axis perspective: Exploring the protective potential of polysaccharides from Cistanche deserticola against alcoholic liver disease. INT J BIOL MACROMOL. 2024 Jan;256:128394 IF ; Mouse . 38013074

[IF=7] Liang Xiong. et al. Intrauterine Growth Restriction Affects Colonic Barrier Function via Regulating the Nrf2/Keap1 and TLR4-NF-κB/ERK Pathways and Altering Colonic Microbiome and Metabolome Homeostasis in Growing-Finishing Pigs. ANTIOXIDANTS-BASEL. 2024 Mar;13(3):283 WB ; Pig . 10.3390/antiox13030283

[IF=5.81] Xinyue Chang. et al. The Protective Effect of Trichilia catigua A. Juss. on DEHP-Induced Reproductive System Damage in Male

Mice. Front Pharmacol. 2022; 13: 832789 IHC ; Mouse . 35185586

[IF=6.291] Shaofeng Wu. et al. The neuroprotective effect of curcumin against ATO triggered neurotoxicity through Nrf2 and NF- κ B signaling pathway in the brain of ducks. Ecotox Environ Safe. 2021 Dec;228:112965 WB ; Duck . 34775344