bs-3648R

[Primary Antibody]

KEAP1 Rabbit pAb



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– DATASHEET –		400-901-9800
Host: Rabbit	lsotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GenelD: 9817	SWISS: Q14145	IF (1:100-500)
Target: KEAP1		Flow-Cyt (1ug/Test) ICC/IF (1:100)
Immunogen: KLH conjugated synthetic peptide derived from human KEAP1: 65-160/624.		Reactivity: Human, Mouse, Rat
Purification: affinity purified by Protein A		(predicted: Rabbit, Pig, Cow, Dog)
Concentration: 1mg/ml		
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		Predicted MW.: ^{69 kDa}
freeze/thaw cycles.		Subcellular Cytoplasm Nucleus
Background: This gene encodes well as a BTB/POZ interacts with NF-I and the dissociatio transportation of I interaction results	a protein containing KELCH-1 like domains, a domain. Kelch-like ECH-associated protein 1 E2-related factor 2 in a redox-sensitive manne on of the proteins in the cytoplasm is followed NF-E2-related factor 2 to the nucleus. This in the expression of the catalytic subunit of	by

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 -

IP: Keap1 Control TCBQ DHA IB: Keap1 69 KD IB: Cui3 85 KD

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 (rat kidney); 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) instructionsand 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) instructionsand DAB staining.

- SELECTED CITATIONS -

- [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=6.6] Seung Yeon Lee. et al. Anti-Inflammasome Effect of Impressic Acid on Diesel Exhaust Particulate Matter-Induced NLRP1 Inflammasome via the Keap1/p62/Nrf2-Signaling Pathway in Keratinocytes. ANTIOXIDANTS-BASEL. 2025 May;14(5):610 WB ;Human. 40427491
- [IF=7] Liang Xiong. et al. Intrauterine Growth Restriction Affects Colonic Barrier Function via Regulating the Nrf2/Keap1 and TLR4-NF-kB/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=6.291] Shaofeng Wu. et al. The neuroprotective effect of curcumin against ATO triggered neurotoxicity through Nrf2 and NF-κB signaling pathway in the brain of ducks. Ecotox Environ Safe. 2021 Dec;228:112965 WB ;Duck. 34775344