



Datasheet for ABIN6262767

anti-KEAP1 antibody



[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	KEAP1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KEAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Keap1
Isotype:	IgG
Specificity:	Keap1 Antibody detects endogenous levels of total Keap1
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	KEAP1
Alternative Name:	Keap1 (KEAP1 Products)

Target Details

Background: Description: 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.
Gene: KEAP1

Molecular Weight: 70 kDa

Gene ID: 9817

UniProt: [Q14145](#)

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: WB 1:500-1:2000,IHC 1:50-1:200,IF 1:100-1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Store at -20 °C.Stable for 12 months from date of receipt

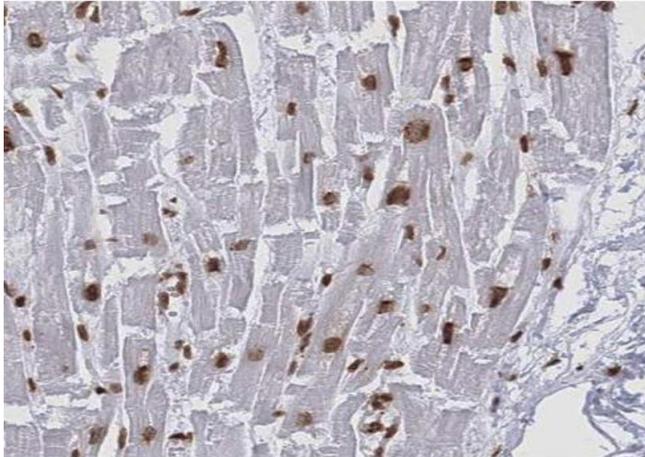
Expiry Date: 12 months

Publications

Product cited in: Li, Meng, Zhang, Wang, Yang, Niu, Cui, Wang, Liu, Rao: "Testosterone improves erectile function

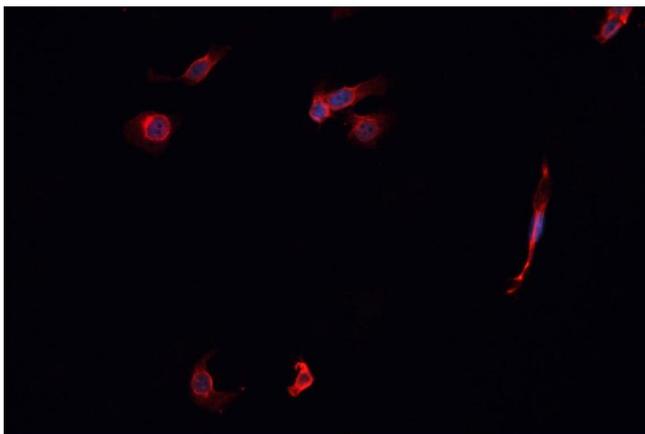
through inhibition of reactive oxygen species generation in castrated rats." in: **PeerJ**, Vol. 4, pp. e2000, (2016) ([PubMed](#)).

Images



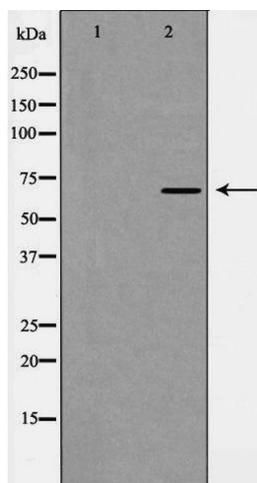
Immunohistochemistry

Image 1. ABIN6268814 at 1/100 staining human Heart muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 2. ABIN6268814 staining K-562 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody.



Western Blotting

Image 3. Western blot analysis of Keap1 expression in NIH 3T3 lysate, The lane on the left is treated with the antigen-specific peptide.