
Product Name: KD-Validated KEAP1 Mouse Monoclonal Antibody**Catalog #: KVA01710**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2,500-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 69.7kDa

Antigen Information

Gene Name	KEAP1 KEAP1; Kelch Like ECH Associated Protein 1; KLHL19; INrf2; KIAA0132; Kelch-Like ECH-
Alternative Names	Associated Protein 1; Kelch-Like Family Member 19; Cytosolic Inhibitor Of Nrf2; Kelch-Like Protein 19; MGC10630; MGC20887; MGC1114; MGC4407; MGC9454; KEAP1 Delta C; INRF2
Gene ID	9817.0
SwissProt ID	Q14145
Immunogen	Recombinant protein of human KEAP1

Background

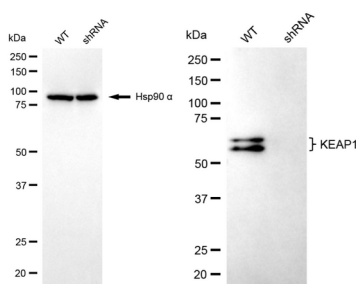
This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is

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]

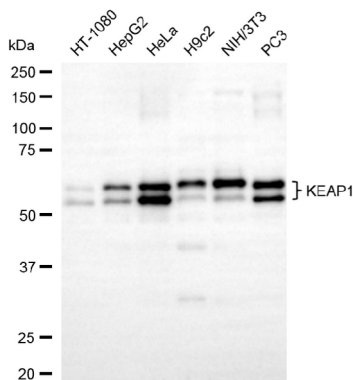
Research Area

Epigenetics and Nuclear Signaling, Neuroscience

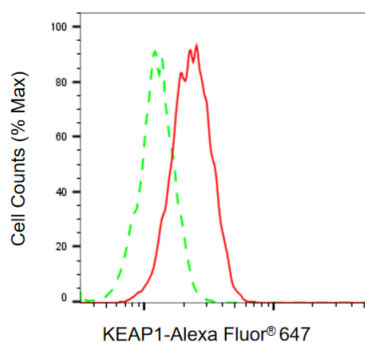
Image Data



Western blotting analysis using KEAP1 antibody (KVA01710). KEAP1 expression in wild-type (WT) and KEAP1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with KEAP1 antibody (KVA01710, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using KEAP1 antibody (KVA01710). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with KEAP1 antibody (KVA01710, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Flow cytometric analysis of KEAP1 expression in HAP-1 cells using KEAP1 antibody (KVA01710, 1:2,000). Green, isotype control; red, KEAP1.