

# **Product datasheet for CF502059**

#### OriGene Technologies, Inc.

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## **KEAP1 Mouse Monoclonal Antibody [Clone ID: OTI1B4]**

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI1B4

Applications: FC, IF, WB

Recommended Dilution: WB 1:500~2000, FLOW 1:100

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinnt protein of human KEAP1(NP\_987096) produced in HEK293T

cell.

Formulation: Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)

**Reconstitution Method:** For reconstitution, we recommend adding 100uL distilled water to a final antibody

concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 69.5 kDa

**Gene Name:** kelch like ECH associated protein 1

Database Link: NP 987096

Entrez Gene 50868 MouseEntrez Gene 117519 RatEntrez Gene 9817 Human

Q14145





Background:

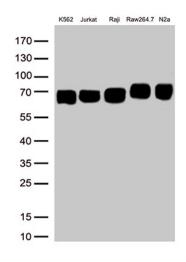
This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2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

Synonyms: INrf2; KLHL19

**Protein Families:** Transcription Factors

**Protein Pathways:** Ubiquitin mediated proteolysis

## **Product images:**



Western blot analysis of extracts (50ug per lane) from 5 different cell lines lysates by using anti-KEAP1 monoclonal antibody([TA502059], 1:500).

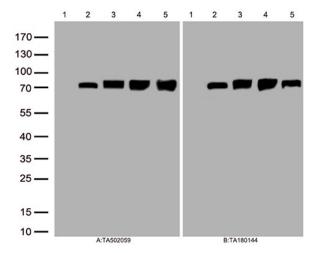


Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1), human KEAP1 plasmid ([RC202189], lane 2), mouse KEAP1 plasmid transcript variant 2 ([MR225867], lane 3), mouse KEAP1 plasmid transcript variant 4([MR209525], lane 4), rat KEAP1 plasmid ([RR201988], lane 5) using anti-KEAP1 antibody [TA502059] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)