

Product datasheet for TA502059M

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: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 1 mg/ml

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]



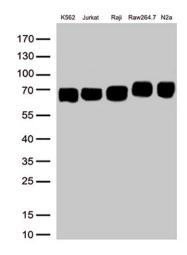


Synonyms: INrf2; KLHL19

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).

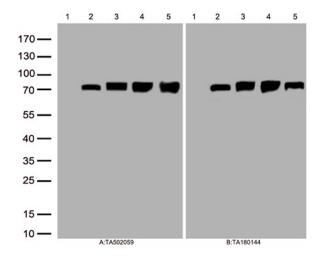


Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1), human KEAP1 plasmid ([RC202189], lane 2), mouse KEAP1 plasmid transcript variant 2 ([MR225867], lane 3), mouse KEAP1 plasmid transcript variant 4([MR209525], 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)