

Product datasheet for **TA502056BM**

KEAP1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI1A1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A1
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human KEAP1 (NP_987096) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
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 Mouse Entrez Gene 117519 Rat Entrez 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]



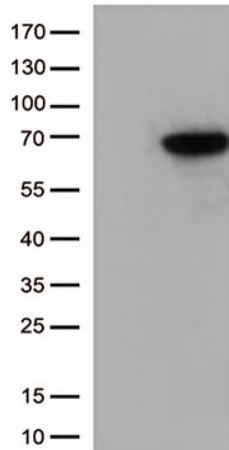
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Synonyms: INrf2; KLHL19

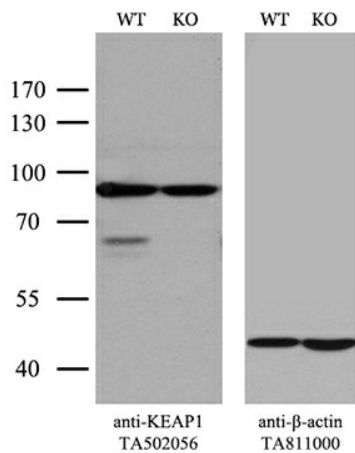
Protein Families: Transcription Factors

Protein Pathways: Ubiquitin mediated proteolysis

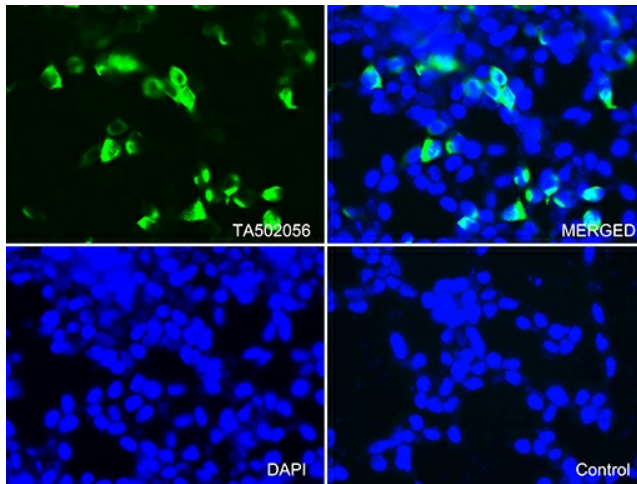
Product images:



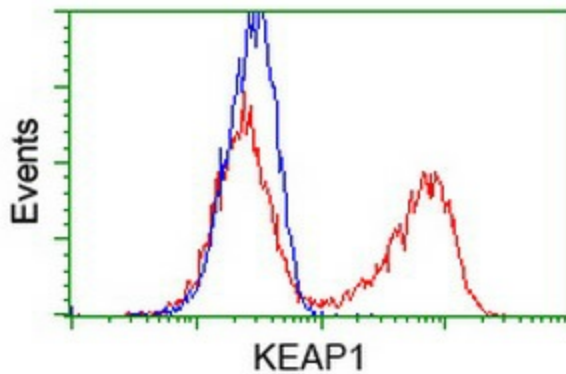
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KEAP1 [RC202189], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KEAP1 (1:1000).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and KEAP1-Knockout HeLa cells (KO, Cat# [LC810295]) were separated by SDS-PAGE and immunoblotted with anti-KEAP1 monoclonal antibody [TA502056]. Then the blotted membrane was stripped and reprobed with anti-β-actin antibody ([TA811000]) as a loading control (1:500).



Immunofluorescent staining of 293T cells transfected by pCMV6-ENTRY KEAP1 ([RC202189]) using anti-KEAP1 antibody ([TA502056])/green, upper left; DAPI/blue, lower left; MERGED, upper right). 293T cells transfected with empty vector served as a negative control (MERGED, lower right) (1:100).



HEK293T cells transfected with either [RC202189] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-KEAP1 antibody ([TA502056]), and then analyzed by flow cytometry.