

Mouse anti-Human KEAP1 Monoclonal Antibody | anti-KEAP1 antibody

KEAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322658	Mouse	Human	Flow Cytometry, Functional Assay, ELISA, Immunohistochemistry, Western Blot

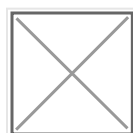
PRODUCT SYNONYMS

KEAP1; Monoclonal Antibody; KEAP1 Antibody; Cytosolic inhibitor of Nrf2; INrf 2; INrf2; Keap 1; KEAP1_HUMAN; Kelch like ECH associated protein 1; Kelch like family member 19; Kelch like protein 19; Kelch-like ECH-associated protein 1; Kelch-like protein 19; KIAA0132; KLHL 19; KLHL19; MGC10630; MGC1114; MGC20887; MGC4407; MGC9454; anti-KEAP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	KEAP1 antibody detects endogenous levels of total KEAP1
Purity/Purification	Peptide affinity purification
Form/Format	IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	624
Applicable Applications for anti-KEAP1 antibody	FCM/FACS (Flow Cytometry), ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human KEAP1 expressed in E. Coli
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis using KEAP1 mouse mAb against NIH3T3 (1), and A549 (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-KEAP1 antibody	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. Function: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22027642
NCBI GeneID	9817
NCBI Accession #	NP_036421.2
NCBI GenBank Nucleotide #	NM_012289.3
UniProt Accession #	Q14145; Q6LEP0; Q8WTX1; Q9BPY9; B3KPD5
Molecular Weight	Observed: 69.7 kDa Predicted: 70 kDa
NCBI Official Full Name	kelch-like ECH-associated protein 1
NCBI Official Synonym Full Names	kelch like ECH associated protein 1
NCBI Official Symbol	KEAP1
NCBI Official Synonym Symbols	INrf2; KLHL19
NCBI Protein Information	kelch-like ECH-associated protein 1
UniProt Protein Name	Kelch-like ECH-associated protein 1
UniProt Gene Name	KEAP1
UniProt Synonym Gene Names	INRF2; KIAA0132; KLHL19; INrf2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/keap1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/322658>