

Keap1 (AB2471) mouse mAb

W0099

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat; Dog;

Applications

- WB; IF; ELISA

MW

- 70 kDa (calculated)
- 69 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

WB; IF; ELISA

Dilution

WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB2471
Immunogen	A synthetic peptide corresponding to the amino acid region 400 - 500 of the human Keap1 protein.
Specificity	This antibody detects endogenous levels of Keap1 protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	KEAP1		
Protein Name	Keap1		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q14145	9817

Background	kelch like ECH associated protein 1 (KEAP1) Homo sapiens 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],
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