KEAP1
Polyclonal ANTIBODY
Catalog Number: 10503-2-AP

Basic Information
Catalog Number: 10503-2-AP
Size: 56 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:2000
IP: 0.5-4.0 μg for IP and 1:1000-1:2000 for WB
IHC: 1:50-1:1000

Applications
Tested Applications: IHC, IP, WB, ELISA
Cited Applications: CoIP, IF, IHC, IP, WB
Species Specificity: human, mouse, rat

Background Information
KEAP1, also named as INRF2, KIAA0132 and KLH19, is part of a multiprotein complex that contains the CUL3-ROC1 ubiquitin ligase, which can ubiquitinate the N-terminal domain of NRF2[PMID: 20173742]. Two molecules of KEAP1 bind to two distinct sites in the N-terminal region of NRF2, the ETGE and DLG sites, which affect the KEAP1-NRF2 interaction and/or its physiological consequences[PMID: 22215675]. KEAP1 retains NRF2/NRF2 in the cytosol. It functions as substrate adapter protein for the E3 ubiquitin ligase complex formed by CUL3 and RBX1[PMID: 20427290]. It also retains BPTF in the cytosol. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human KEAP1.

Notable Publications
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<td>Elisabetta Beneduce</td>
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<td>Inui Takuma T</td>
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<td>Yuan Li</td>
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Storage
Store at -20°C. Stable for one year after shipment.

For technical support and original validation data for this product please contact:
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Jurkat cells and tissues were subjected to SDS-PAGE followed by western blot with 10503-2-AP (KEAP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

WB result of KEAP1 antibody (10503-2-AP, 1:2000) with si-control and si-KEAP1 transfected HEK293 cell.


Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 10503-2-AP (KEAP1 Antibody) at dilution of 1:200 (under 10x lens).