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
Immunogen Catalog Number: AG0779

Recommended Dilutions:
- WB: 1:1000
- IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
- IHC: 1:50-1:500

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

Background Information
KEAP1, also named as INRF2, KIAA0132 and KLHL19, 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 NFE2L2/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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<th>Author</th>
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<tbody>
<tr>
<td>Inui Takuma T</td>
<td>24008340</td>
<td>PLoS One</td>
<td>WB</td>
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<tr>
<td>Amy Anzovino</td>
<td>28835570</td>
<td>Am J Pathol</td>
<td>WB</td>
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<td>Sangwook Park</td>
<td>27831370</td>
<td>PLoS One</td>
<td>WB</td>
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Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product, please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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).