PRX5
Polyclonal ANTIBODY
Catalog Number: 17724-1-AP

Basic Information
Catalog Number: 17724-1-AP
Size: 21 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG12118

Recommended Dilutions:
- WB: 1:500-1:3000
- IHC: 1:20-1:200
- IF: 1:10-1:100

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

Note: suggested antigen retrieval with TE buffer pH 9.5; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
Prox5 (peroxiredoxin-5, mitochondrial) reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system.

While PRDX5 was localized to fibroblasts in normal tendon, it was localized to fibroblasts and endothelial cells in degenerative tendon (PMID: 11396953). It can form a dimer of 36 kDa (PMID: 20575554).

Notable Publications
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<th>Author</th>
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<tr>
<td>Fadi N Salloum</td>
<td>25361774</td>
<td>Exp Biol Med (Maywood)</td>
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<td>Bo Wei</td>
<td>26792037</td>
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<td>Leli Zeng</td>
<td>26763798</td>
<td>Sci Rep</td>
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Storage
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% 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:
Tel: 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.
Selected Validation Data

Mouse kidney tissue were subjected to SDS-PAGE followed by western blot with 17724-1-AP (Prx5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human kidney using 17724-1-AP (Prx5 antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical of paraffin-embedded human kidney using 17724-1-AP (Prx5 antibody) at dilution of 1:50 (under 40x lens).

Immunofluorescent analysis of HepG2 cells, using PRDX5 antibody 17724-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).