

KO-Validated Anti-Peroxiredoxin 2 Recombinant Rabbit Monoclonal Antibody



Catalog #: 71228

Aliases

PRDX2; Peroxiredoxin 2; NKEFB; PRP; TSA; Thioredoxin-Dependent Peroxide Reductase 1; Thioredoxin Peroxidase 1; PRXII; TDPX1;
PRX2; Natural Killer Cell-Enhancing Factor B; Thioredoxin-Dependent Peroxiredoxin 2; Thiol-Specific Antioxidant 1; Peroxiredoxin-2; MGC4104; NKEF-B; Torin; Epididymis Secretory Sperm Binding Protein Li 2a; Thiol-Specific Antioxidant Protein; Natural Killer-Enhancing Factor B; EC 1.11.1.24; EC 1.11.1.15; EC 1.11.1; HEL-S-2a; PTX1; TPX1

Background

Gene Name: PRDX2

NCBI Gene Entry: [7001](#)

UniProt Entry: [P32119](#)

Application Information

Molecular Weight: Predicted, 22 kDa; observed, 22 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB3285

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Peroxiredoxin 2

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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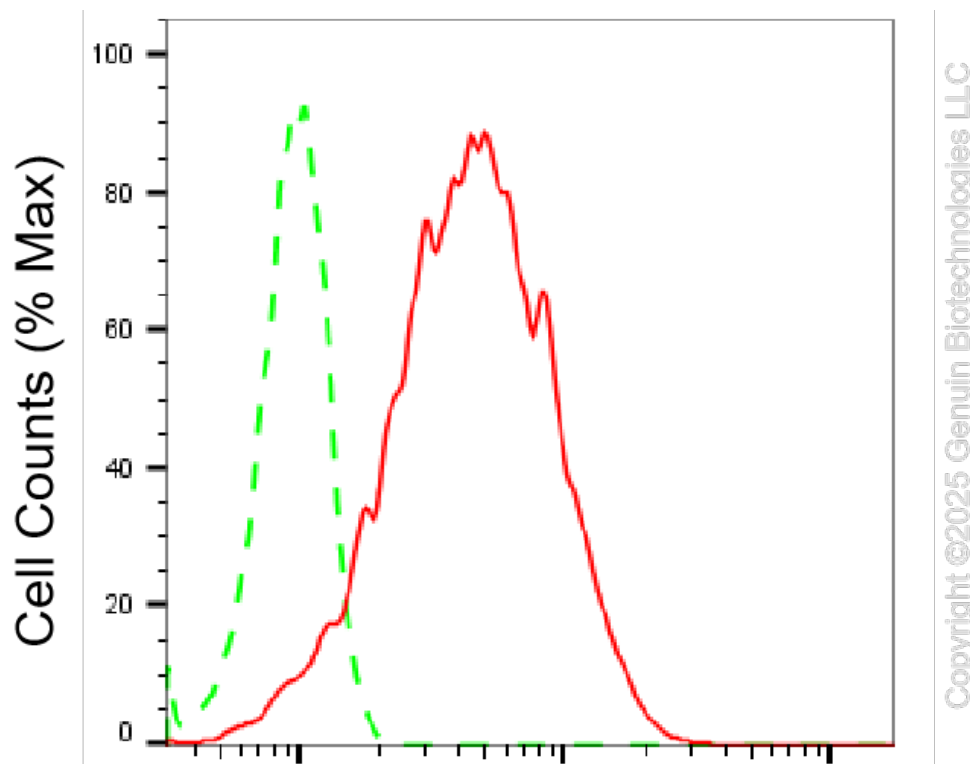
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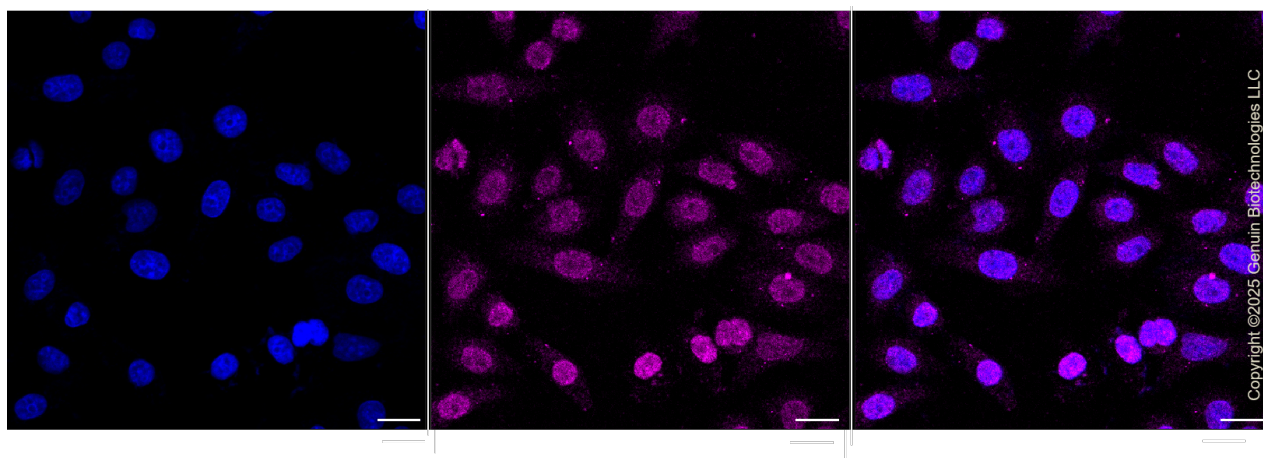
Note: This product is for research use only.

Validation Data



Peroxiredoxin 2-Alexa Fluor® 647

Flow cytometric analysis of Peroxiredoxin 2 expression in HepG2 cells using anti-Peroxiredoxin 2 antibody (Cat#71228, 1:2,000). Green, isotype control; red, Peroxiredoxin 2.



Immunocytochemical staining of HepG2 cells with anti-Peroxiredoxin 2 antibody (Cat#71228, 1:1,000). Nuclei were stained blue with DAPI; Peroxiredoxin 2 was stained magenta with Alexa

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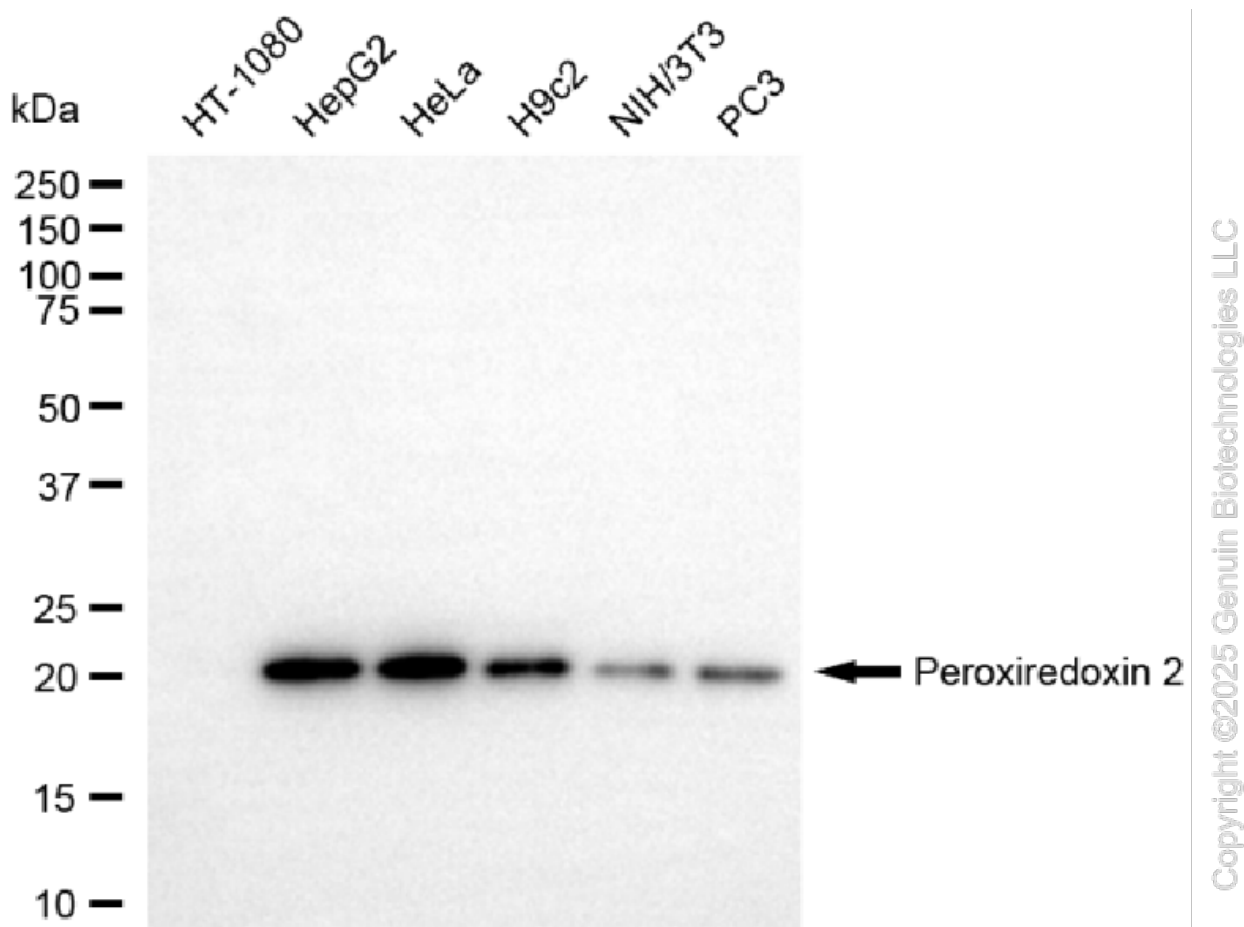
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Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-peroxiredoxin 2 antibody (Cat#71228). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-peroxiredoxin 2 antibody (Cat#71228, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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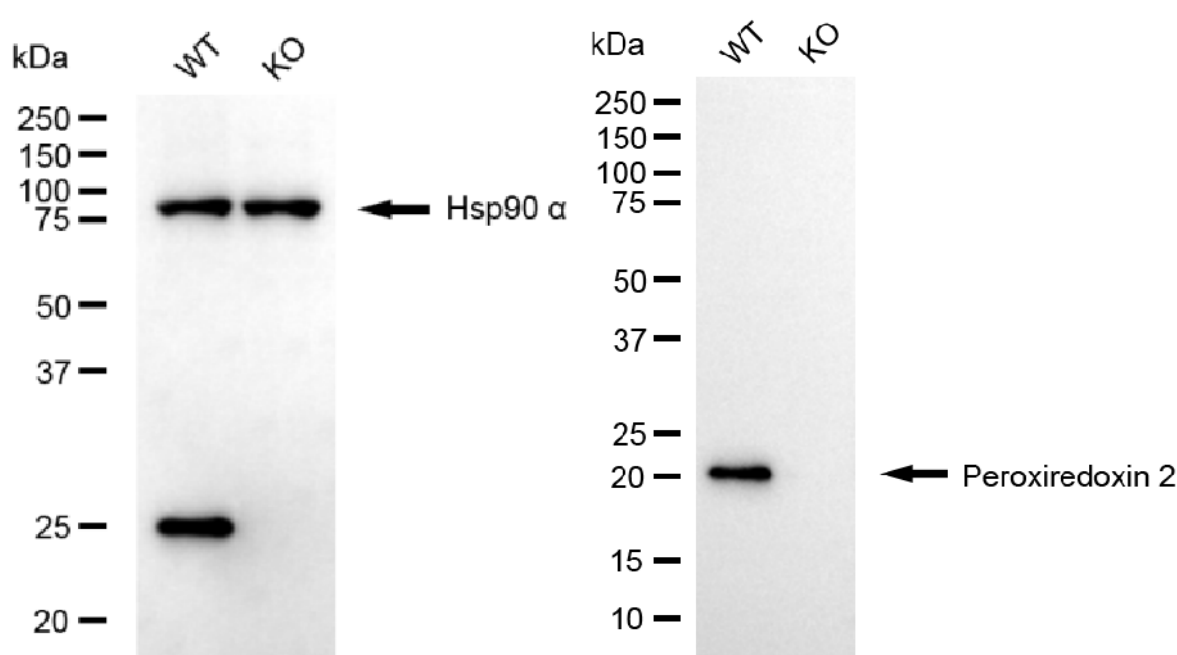
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Western blotting analysis using anti-peroxiredoxin 2 antibody (Cat#71228). Peroxiredoxin 2 expression in wild type (WT) and peroxiredoxin 2 (PRDX2) knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-peroxiredoxin 2 antibody (Cat#71228, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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