

KD-Validated Anti-Peroxiredoxin 4 Recombinant Rabbit Monoclonal Antibody



Catalog #: 62596

Aliases

Peroxiredoxin 4; AOE37-2; Thioredoxin-Dependent Peroxide Reductase A0372; Thioredoxin-Dependent Peroxiredoxin 4; Thioredoxin Peroxidase A0372; Antioxidant Enzyme AOE372; Peroxiredoxin IV; Peroxiredoxin-4; Prx-IV; Epididymis Secretory Sperm Binding Protein Li 97n; Thioredoxin Peroxidase (Antioxidant Enzyme); EC 1.11.1.24; EC 1.11.1.15; HEL-S-97n; AOE372; PRX-4

Background

Gene Name: PRDX4

NCBI Gene Entry: [10549](#)

UniProt Entry: [Q13162](#)

Application Information

Molecular Weight: Predicted, 31 kDa, observed, 27 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB1570

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human Peroxiredoxin 4

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

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

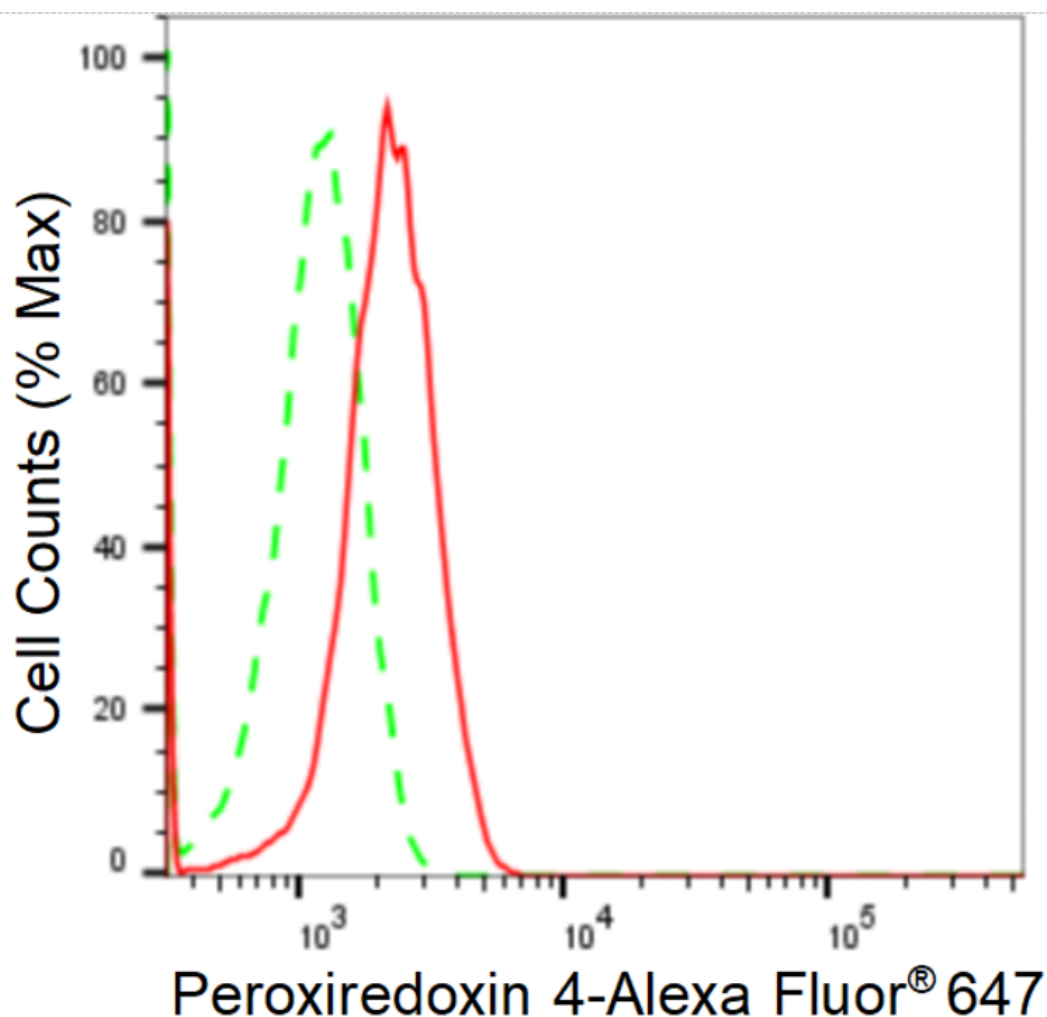
WWW.GENUINBIOTECH.COM

KD-Validated Anti-Peroxiredoxin 4 Recombinant Rabbit Monoclonal Antibody

PAGE 2

Note: This product is for research use only.

Validation Data



Copyright ©2024 Genuin Biotechnologies LLC

Flow cytometric analysis of Peroxiredoxin 4 expression in HAP-1 cells using anti-Peroxiredoxin 4 antibody (Cat#62596, 1:2,000). Green, isotype control; red, Peroxiredoxin 4.

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

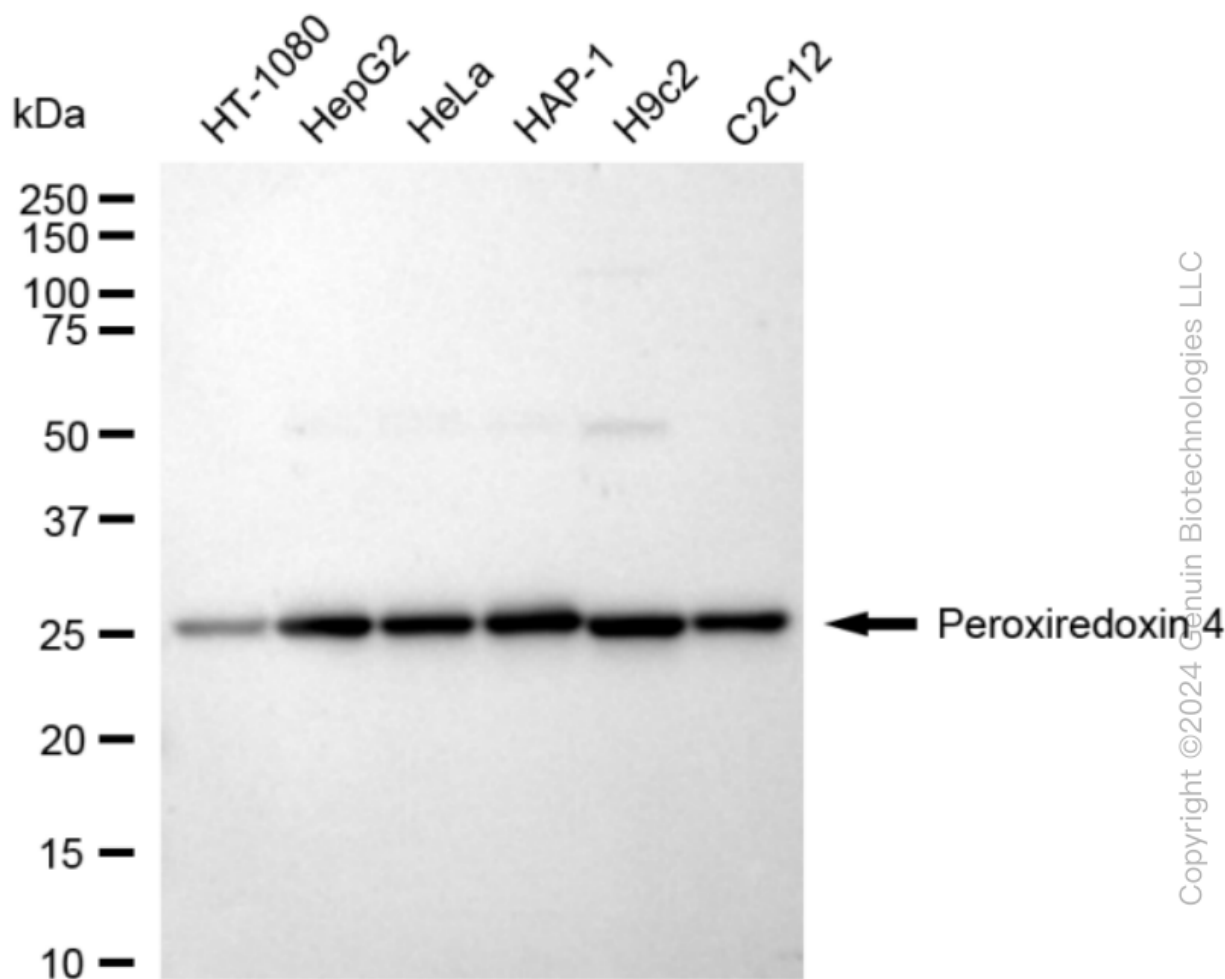
ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

KD-Validated Anti-Peroxiredoxin 4 Recombinant Rabbit Monoclonal Antibody

PAGE 3



Western blotting analysis using anti-Peroxiredoxin 4 antibody (Cat#62596). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Peroxiredoxin 4 antibody (Cat#62596, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

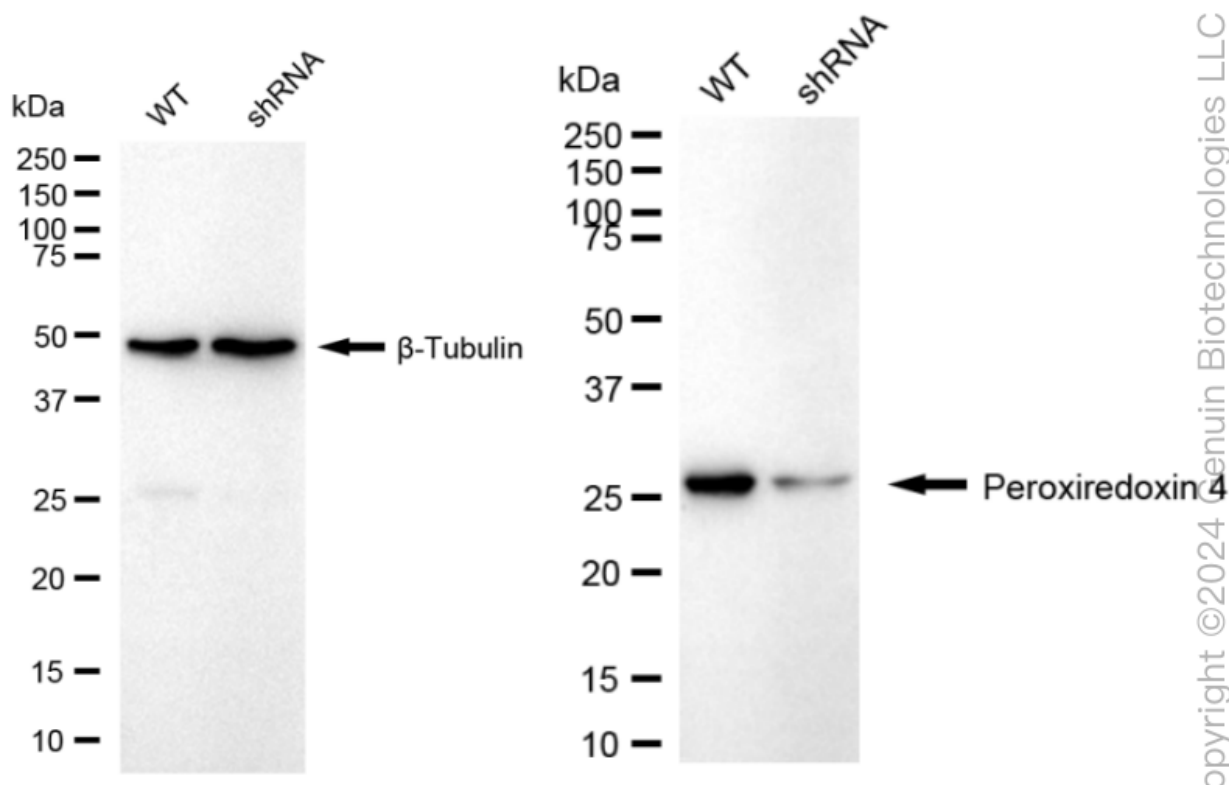
ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

KD-Validated Anti-Peroxiredoxin 4 Recombinant Rabbit Monoclonal Antibody

PAGE 4



Western blotting analysis using anti-Peroxiredoxin 4 antibody (Cat#62596). Peroxiredoxin 4 expression in wild type (WT) and Peroxiredoxin 4 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Peroxiredoxin 4 antibody (Cat#62596, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQTM ECL Substrate Kit (Cat#716).

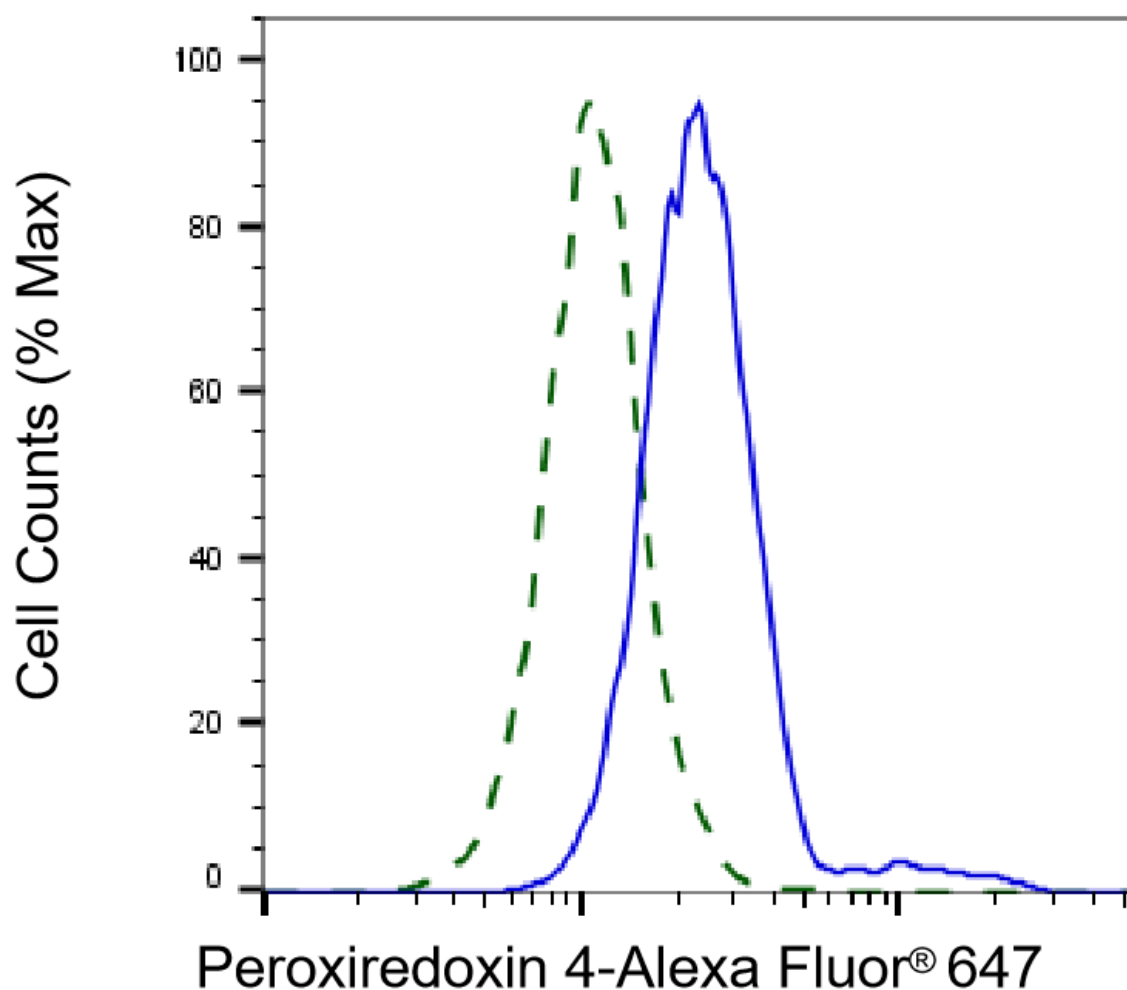
SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM



Copyright ©2025 Genuin Biotechnologies LLC

Validation of Peroxiredoxin 4 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-Peroxiredoxin 4 antibody (Cat#62596, 1:2,000) and analyzed using BD flow cytometer.