

Anti-Thioredoxin 2 Recombinant Rabbit Monoclonal Antibody



Catalog #: 3397

Aliases

TXN2; Thioredoxin 2; MT-TRX; Thioredoxin, Mitochondrial; MTRX; TRX2; Mitochondrial Thioredoxin; Thioredoxin-2; COXPD29; Mt-Trx; TXN

Background

Gene Name: TXN2

NCBI Gene Entry: [25828](#)

UniProt Entry: [Q99757](#)

Application Information

Molecular Weight: Predicted, 18 kDa; observed, 12 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB5485

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human Thioredoxin 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

Note: This product is for research use only.

Validation Data

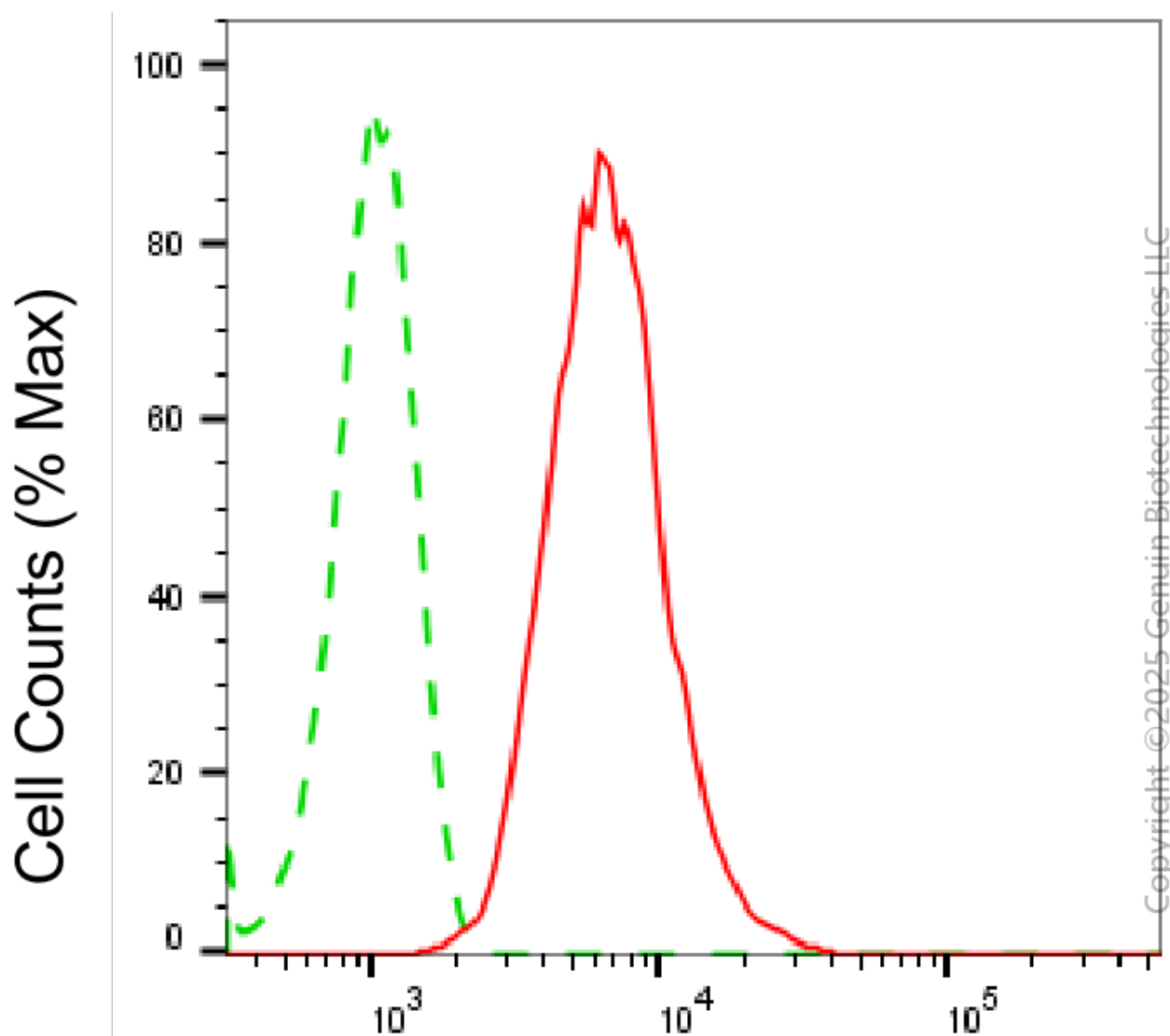
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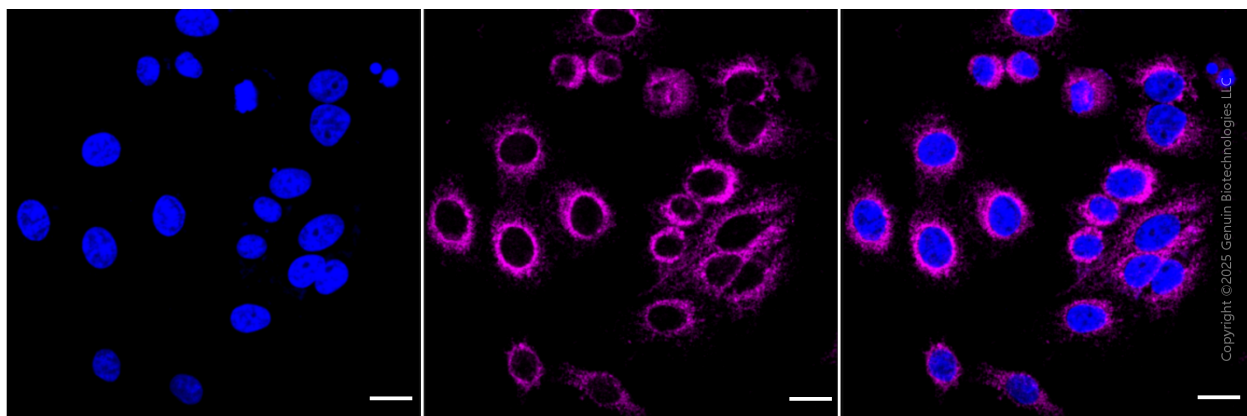
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Thioredoxin 2-Alexa Fluor® 647

Flow cytometric analysis of Thioredoxin 2 expression in HepG2 cells using anti-Thioredoxin 2 antibody (Cat#3397, 1:2,000). Green, isotype control; red, Thioredoxin 2.



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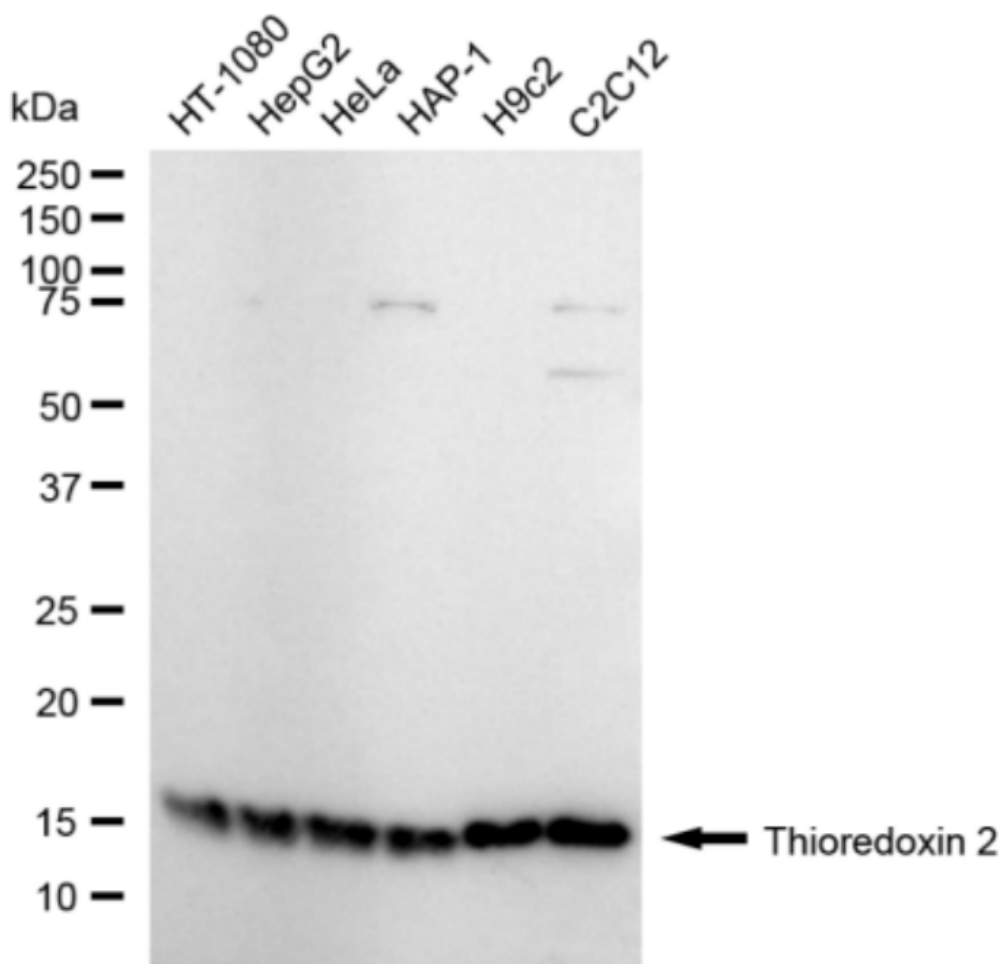
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Immunocytochemical staining of HepG2 cells with anti-thioredoxin 2 antibody (Cat#3397, 1:1,000). Nuclei were stained blue with DAPI; Thioredoxin 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.



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Western blotting analysis using anti-thioredoxin 2 antibody (Cat#3397). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-thioredoxin 2 antibody (Cat#3397, 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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