Anti-Thioredoxin Reductase 1 Recombinant Rabbit Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 3349

Aliases

TXNRD1; Thioredoxin Reductase 1; GRIM-12; Trxr1; TXNR; Gene Associated With Retinoic And Interferon-Induced Mortality 12 Protein; Gene Associated With Retinoic And IFN-Induced Mortality 12 Protein; Thioredoxin Reductase 1, Cytoplasmic; KM-102-Derived Reductase-Like Factor; Thioredoxin Reductase TR1; Selenoprotein TXNRD1; Peroxidase TXNRD1; EC 1.8.1.9; TXNR1; TR; Testis Tissue Sperm-Binding Protein Li 46a; Thioredoxin Reductase GRIM-12; Oxidoreductase; EC 1.11.1.2; EC 1.8.1; GRIM12; KDRF; TR1

Background

Gene Name: TXNRD1
NCBI Gene Entry: 7296
UniProt Entry: Q16881

Application Information

Molecular Weight: Predicted, 71 kDa; observed, 55 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB5240
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human TXNRD1

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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Note: This product is for research use only.

Validation Data
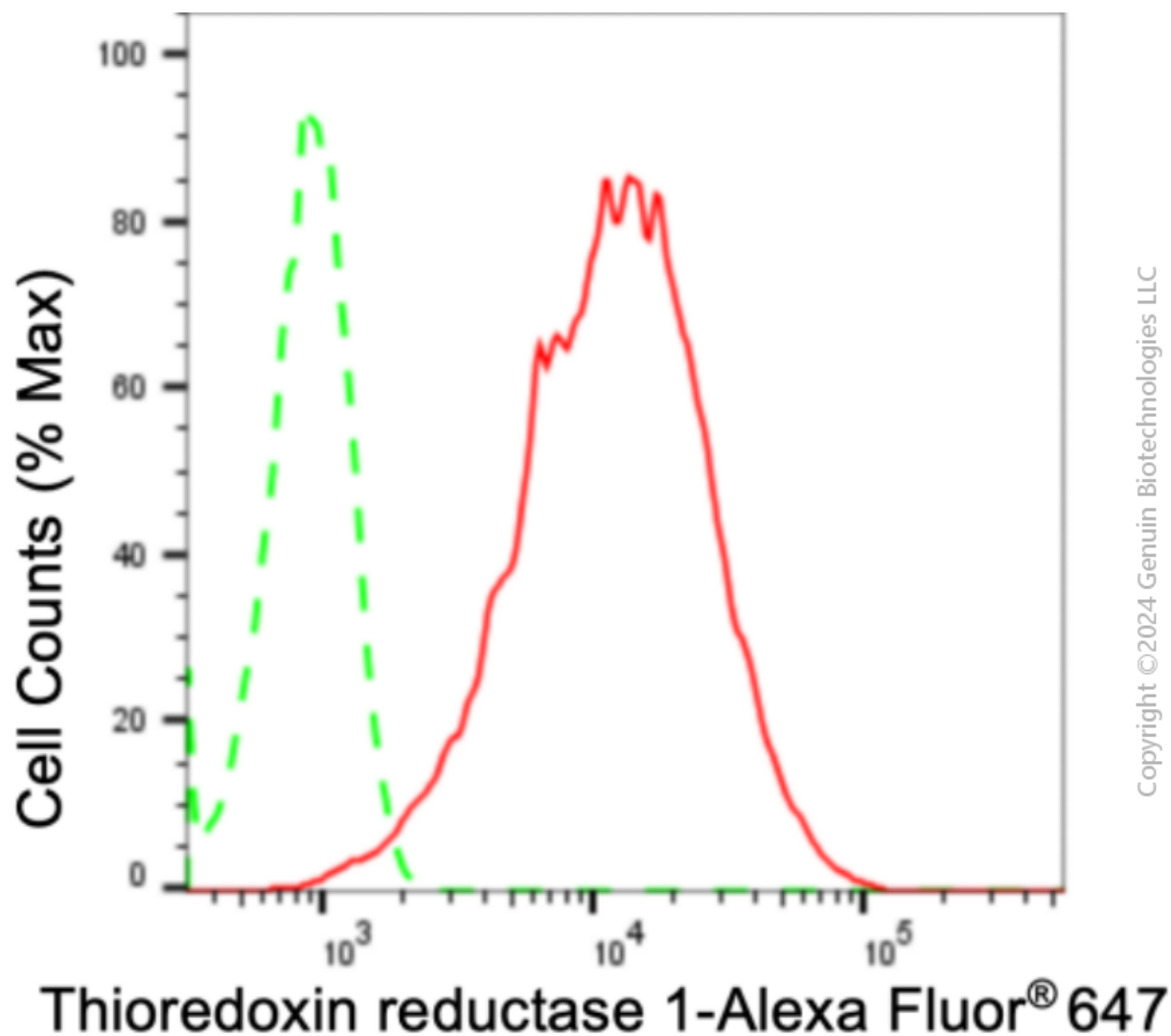
Flow cytometric analysis of thioredoxin reductase 1 expression in HepG2 cells using anti-thioredoxin reductase 1 antibody (Cat#3349, 1:2,000). Green, isotype control; red, thioredoxin reductase 1.

SUPPORT
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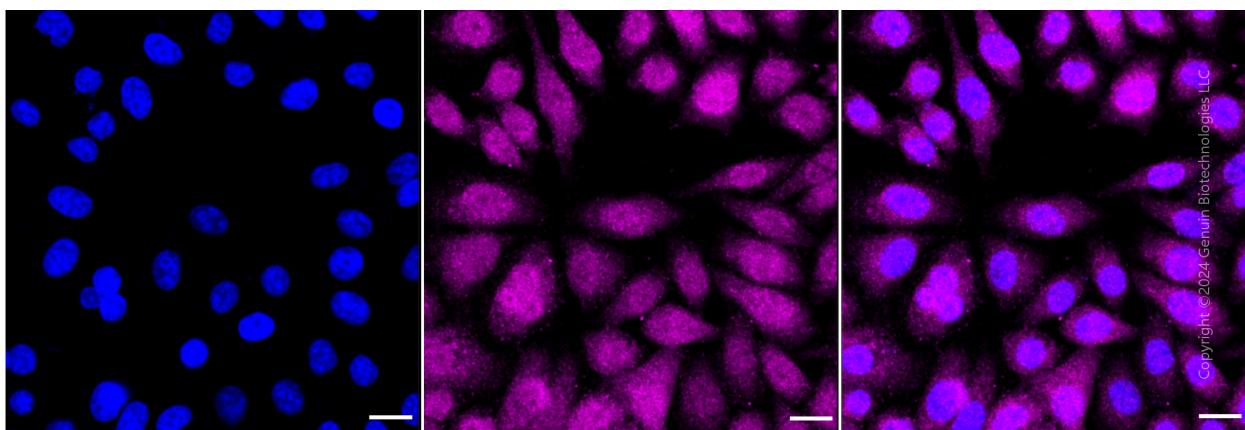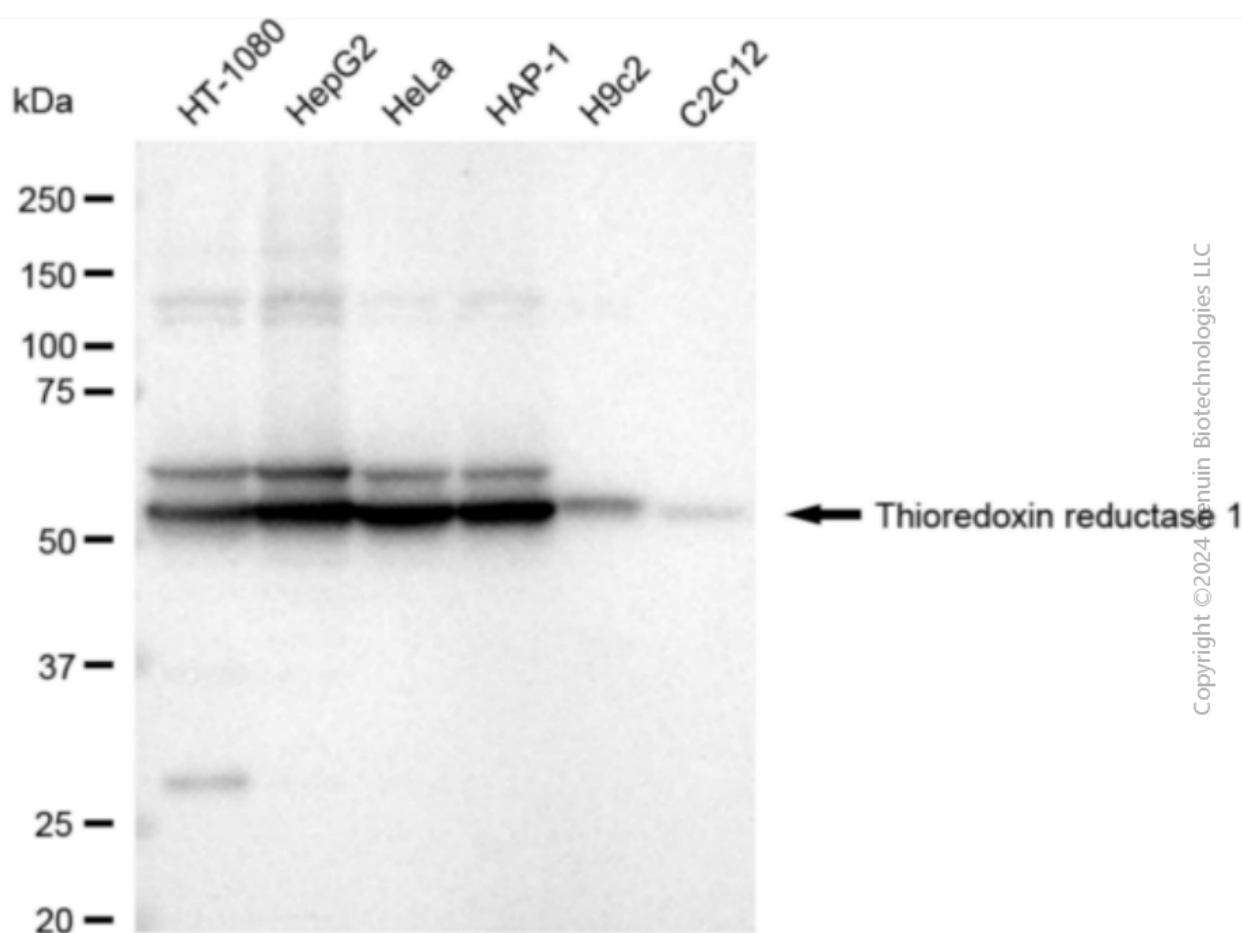
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Immunocytochemical staining of HepG2 cells with anti-Thioredoxin reductase 1 antibody (Cat#3349, 1:1,000). Nuclei were stained blue with DAPI; Thioredoxin reductase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Meduim. Scale bar: 20 μm.

Western blotting analysis using anti-thioredoxin reductase 1 antibody (Cat#3349). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-thioredoxin reductase 1 antibody (Cat#3349, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using

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FeQ™ ECL Substrate Kit (Cat#226).