

Catalog #: 5568

Aliases

PDSS1; Decaprenyl Diphosphate Synthase Subunit 1; COQ1A; COQ1; TPRT; TPT; Prenyl (Decaprenyl) Diphosphate Synthase, Subunit 1; All-Trans-Decaprenyl-Diphosphate Synthase Subunit 1; All Trans-Polyprenyl-Diphosphate Synthase PDSS1; Decaprenyl Pyrophosphate Synthase Subunit 1; Solanesyl-Diphosphate Synthase Subunit 1; Trans-Prenyltransferase 1; TPT 1; Subunit 1 Of Decaprenyl Diphosphate Synthase; Decaprenyl-Diphosphate Synthase Subunit 1; Polyprenyl Pyrophosphate Synthetase; Trans-Prenyltransferase (TPT); Coenzyme Q1 Homolog (Yeast); Trans-Prenyltransferase; Coenzyme Q1 Homolog; EC 2.5.1.91; COQ10D2; HDPS1; DPS1; DPS; SPS

Background

Gene Name: PDSS1

NCBI Gene Entry: [23590](#)

UniProt Entry: [Q5T2R2](#)

Application Information

Molecular Weight: Predicted, 46 kDa; observed, 37 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB4300

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human PDSS1

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

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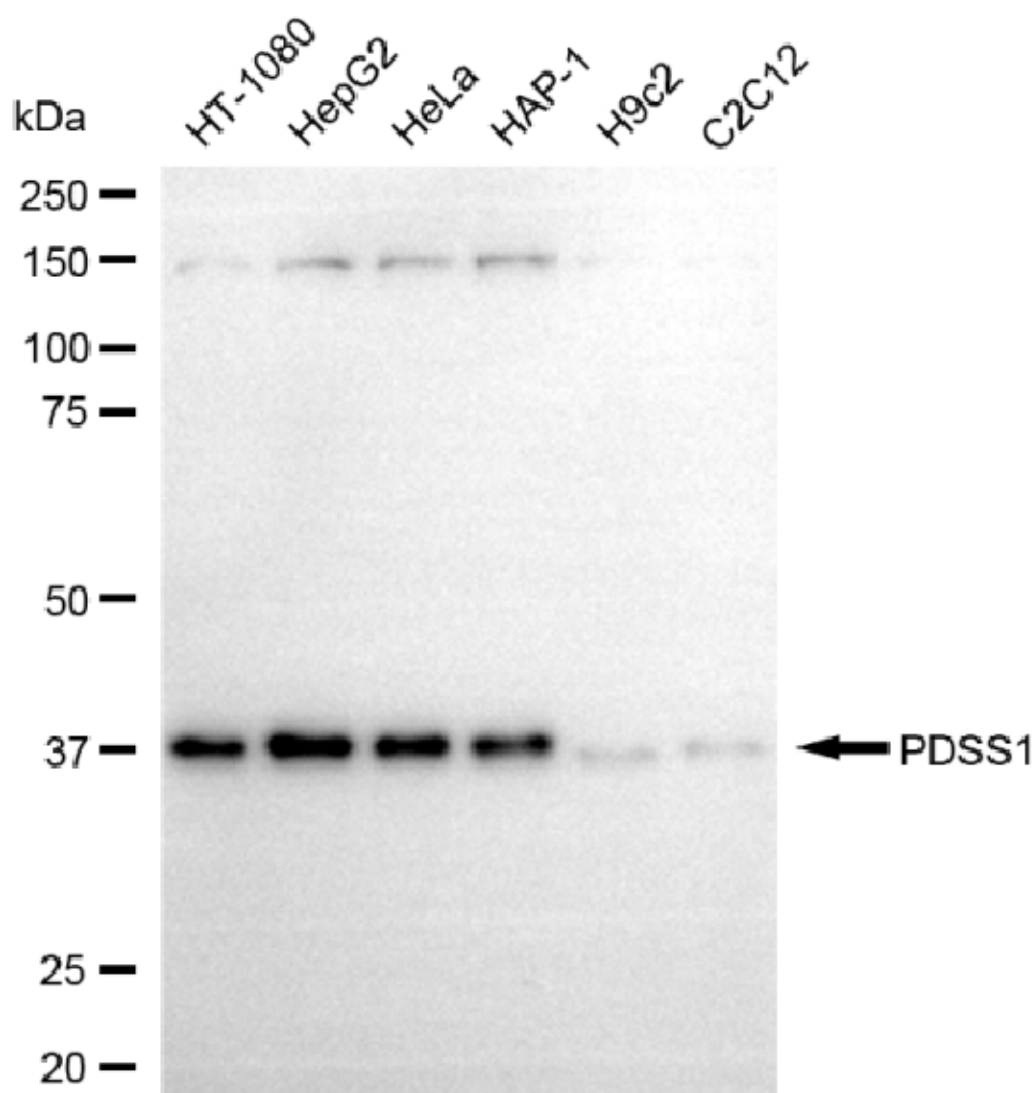
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Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

Validation Data



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Western blotting analysis using anti-PDSS1 antibody (Cat#5568). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PDSS1 antibody (Cat#5568, 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).

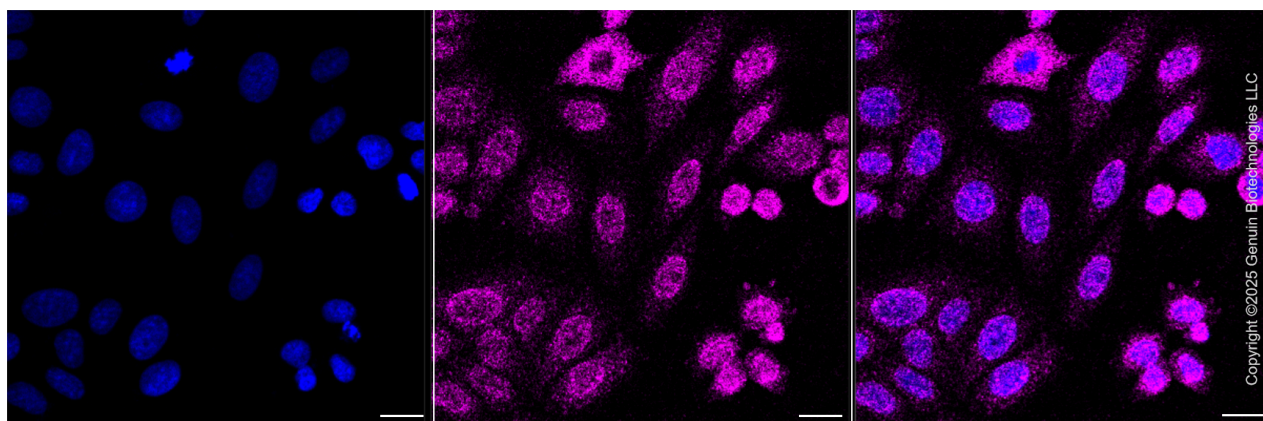
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Immunocytochemical staining of HepG2 cells with anti-PDSS1 antibody (Cat#5568, 1:1,000) . Nuclei were stained blue with DAPI; PDSS1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.

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