

KO-Validated Anti-Asparagine synthetase Recombinant Rabbit Monoclonal Antibody



Catalog #: 71271

Aliases

ASNS; Asparagine Synthetase (Glutamine-Hydrolyzing); Asparagine Synthetase [Glutamine-Hydrolyzing]; Glutamine-Dependent Asparagine Synthetase; EC 6.3.5.4; TS11; TS11 Cell Cycle Control Protein; Cell Cycle Control Protein TS11; Asparagine Synthetase; ASNSD

Background

Gene Name: ASNS

NCBI Gene Entry: [440](#)

UniProt Entry: [P08243](#)

Application Information

Molecular Weight: Predicted, 64 kDa; observed, 61 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB4205

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human ASNS

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

Note: This product is for research use only.

Validation Data

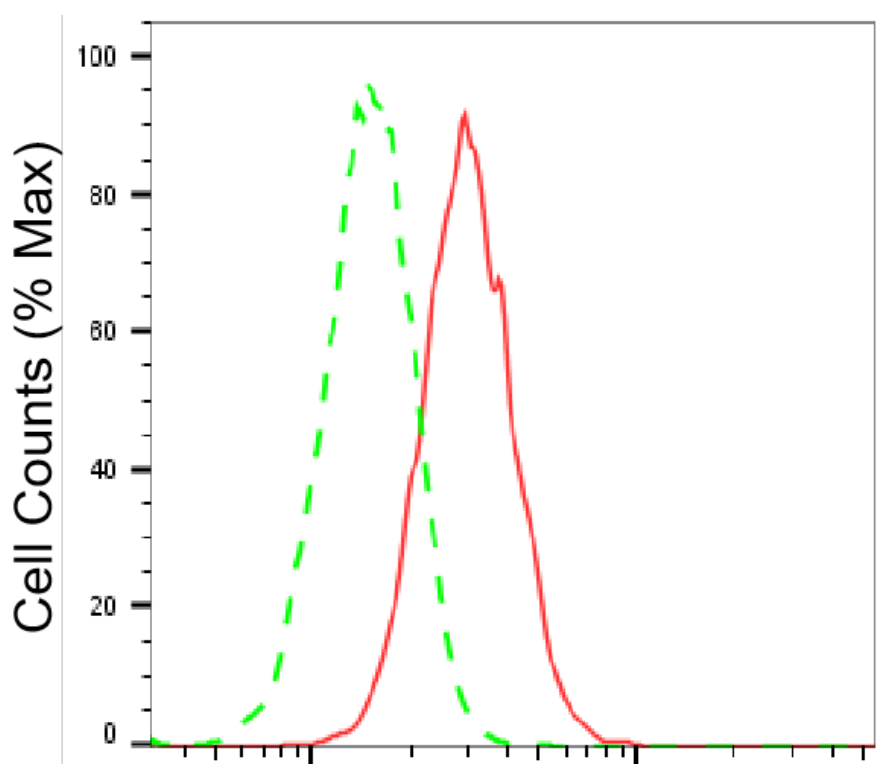
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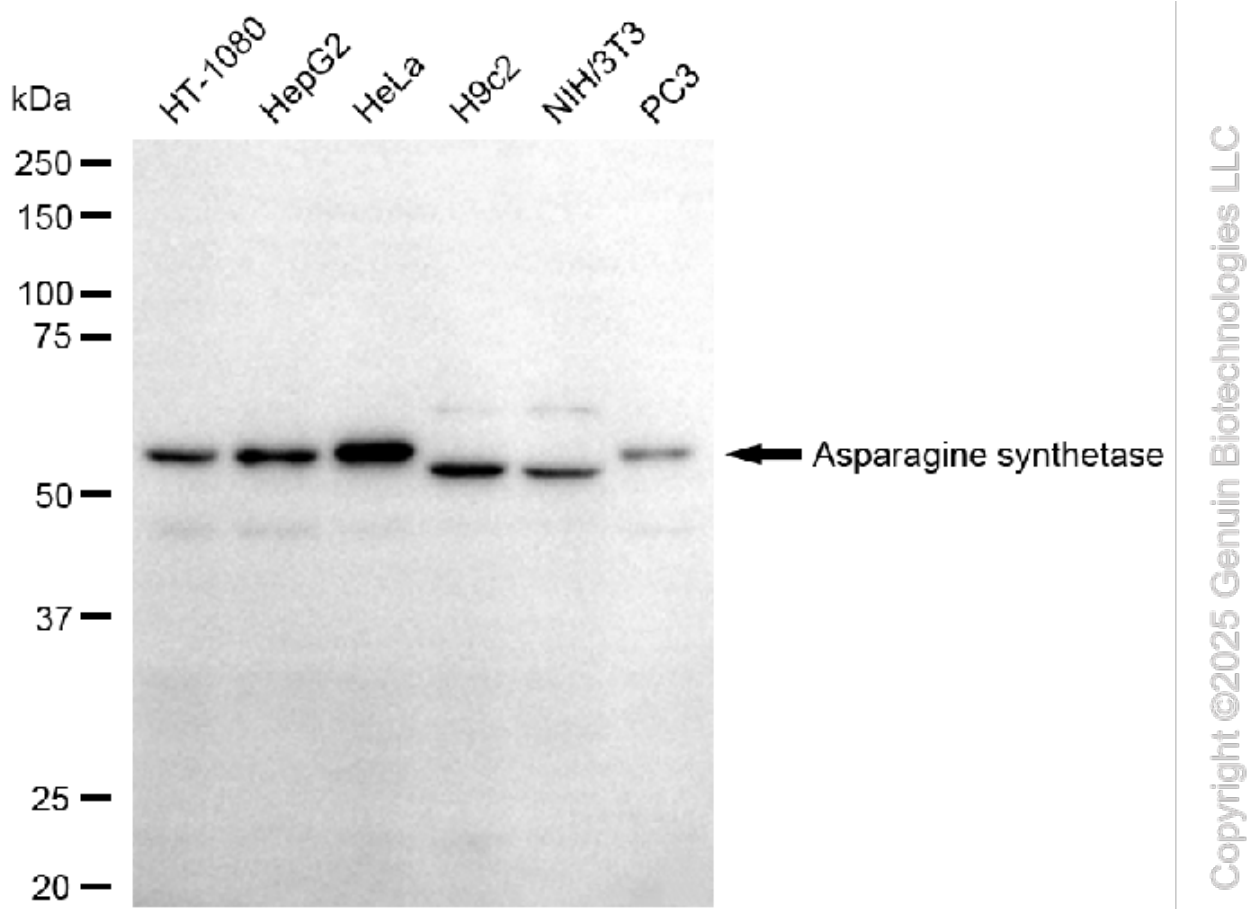
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Asparagine synthetase-Alexa Fluor® 647

Flow cytometric analysis of Asparagine synthetase expression in HAP-1 cells using Asparagine synthetase antibody (Cat#71271, 1:2,000). Green, isotype control; red, Asparagine synthetase.

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Western blotting analysis using anti-asparagine synthetase antibody (Cat#71271). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-asparagine synthetase antibody (Cat#71271, 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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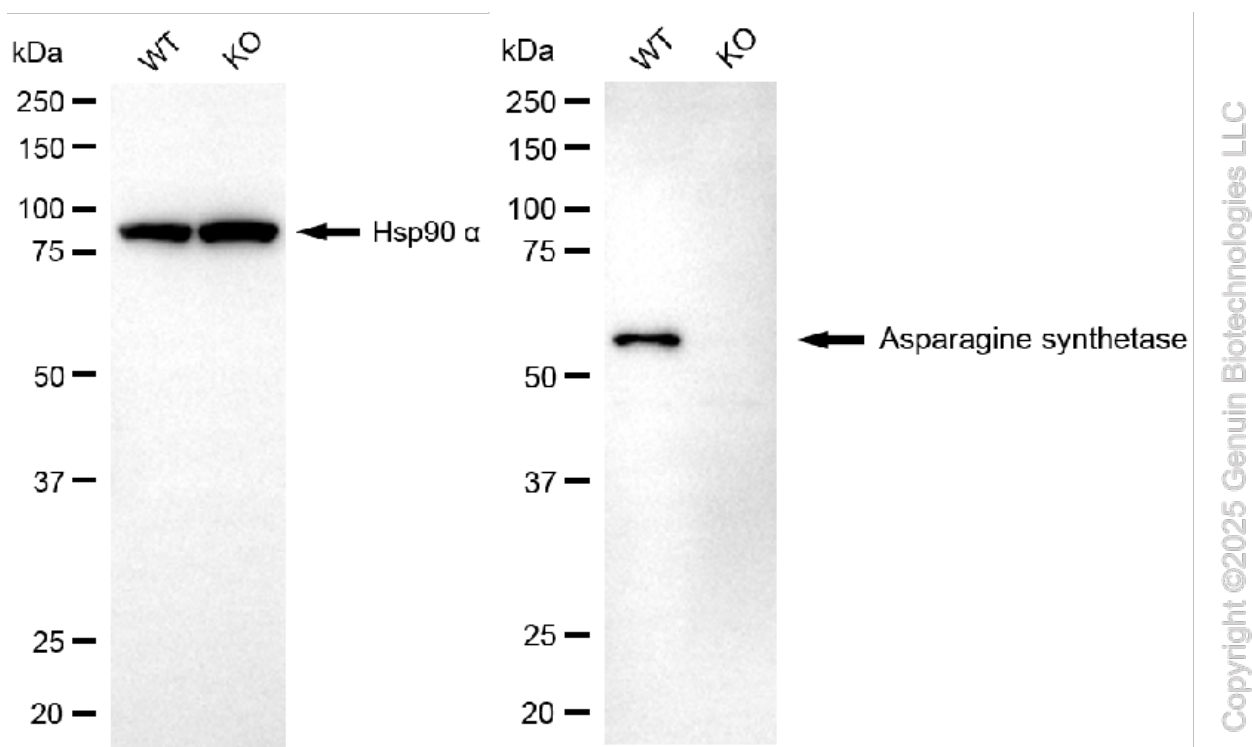
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Western blotting analysis using anti-asparagine synthetase antibody (Cat#71271). Asparagine synthetase expression in wild type (WT) and asparagine synthetase (ASNS) knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-asparagine synthetase antibody (Cat#71271, 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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