

KD-Validated Anti-DSTN Mouse Monoclonal Antibody



Catalog #: 63438

Aliases

DSTN; Destrin, Actin Depolymerizing Factor; ACTDP; ADF; Actin-Depolymerizing Factor; Destrin; BA462D18.2 (Destrin (Actin Depolymerizing Factor ADF) (ACTDP)); Epididymis Secretory Sperm Binding Protein; Destrin (Actin Depolymerizing Factor); Epididymis Luminal Protein 32; BA462D18.2; HEL32; DSN

Background

Gene Name: DSTN

NCBI Gene Entry: [11034](#)

UniProt Entry: [P60981](#)

Application Information

Molecular Weight: Predicted, 19 kDa, observed, 19 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB5625

Species Reactivity: Human

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

Immunogen

Recombinant protein of human DSTN

Isotype

Mouse IgG1

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): 1:2,500-1:5,000

Flow Cytometry (FCM): 1:2,000

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

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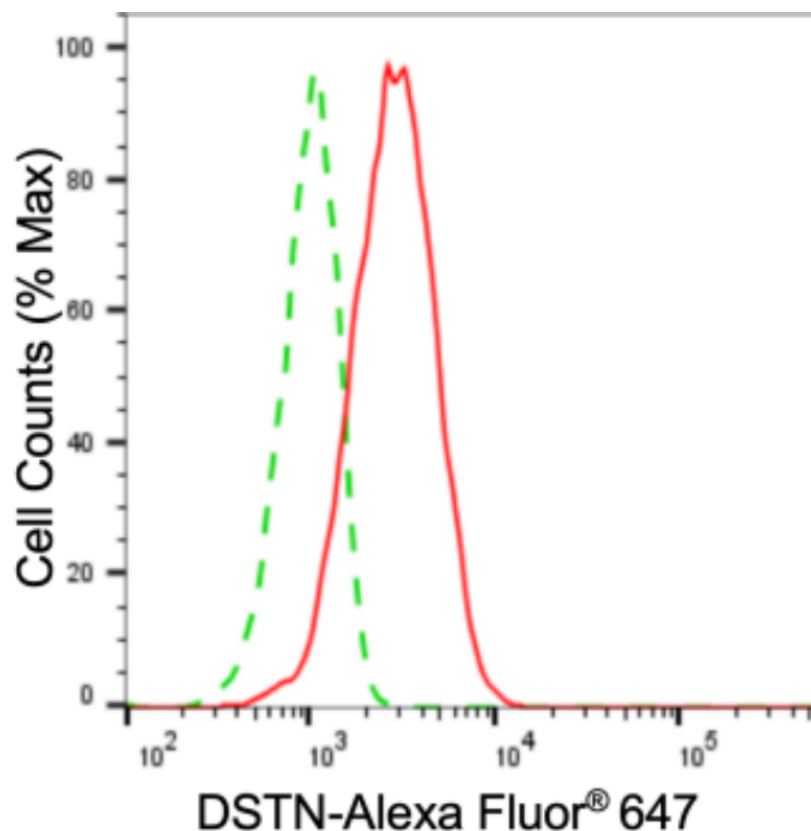
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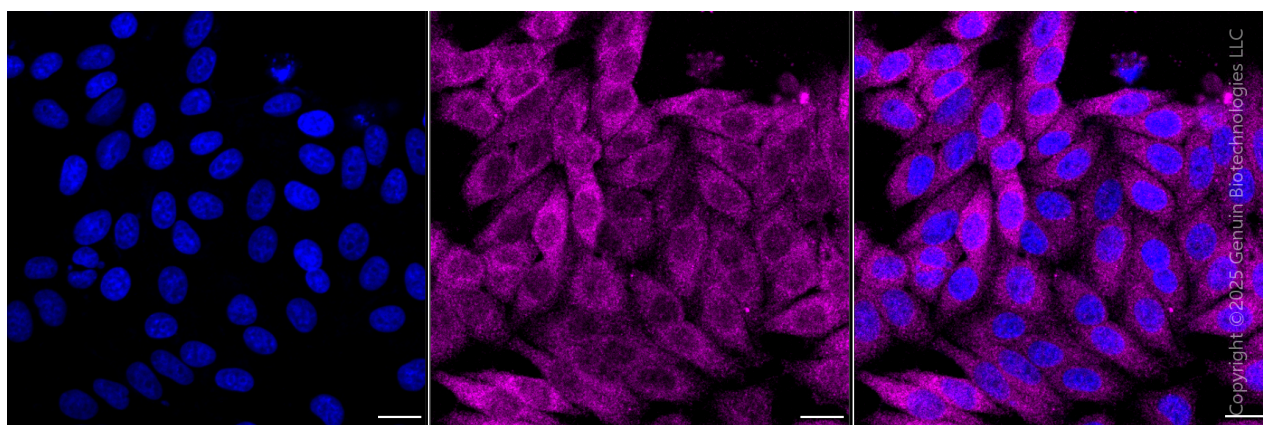
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Validation Data



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Flow cytometric analysis of DSTN expression in HepG2 cells using anti-DSTN antibody (Cat#63438, 1:2,000). Green, isotype control; red, DSTN.



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Immunocytochemical staining of HepG2 cells with anti-DSTN antibody (Cat#63438, 1:1,000). Nuclei were stained blue with DAPI; DSTN 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 μm.

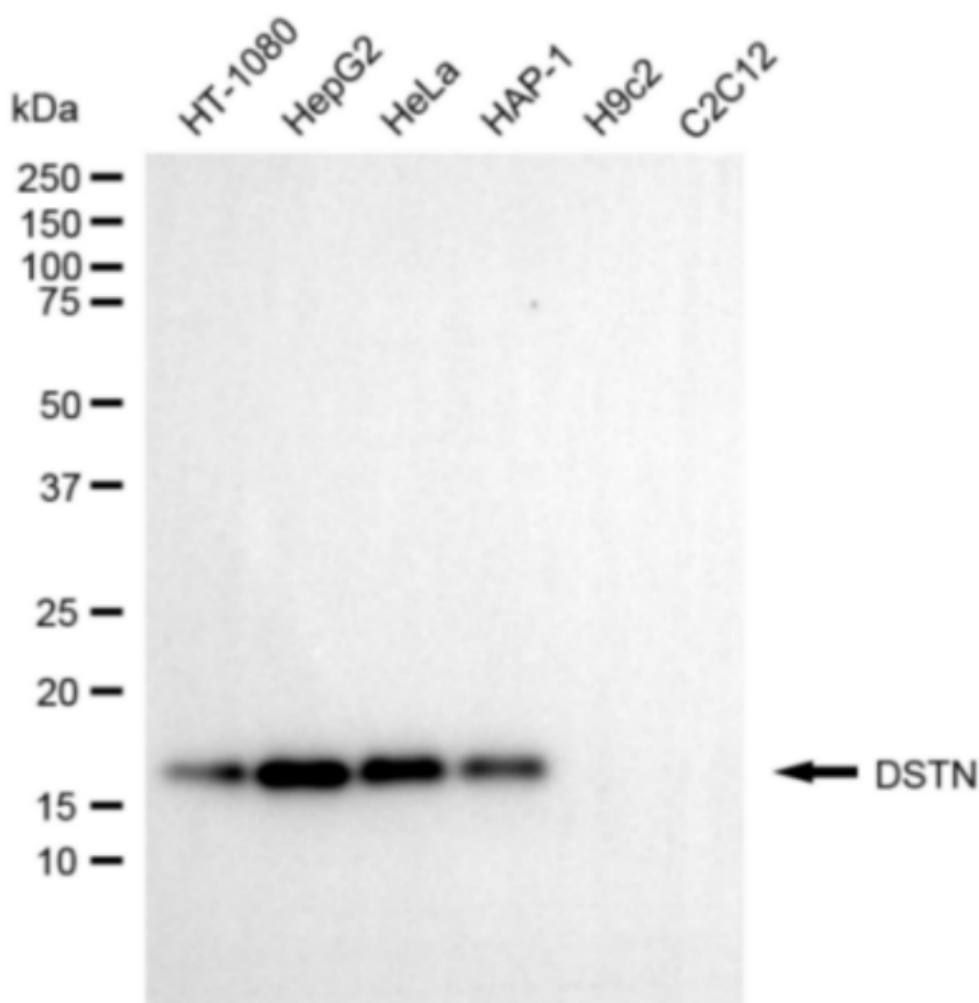
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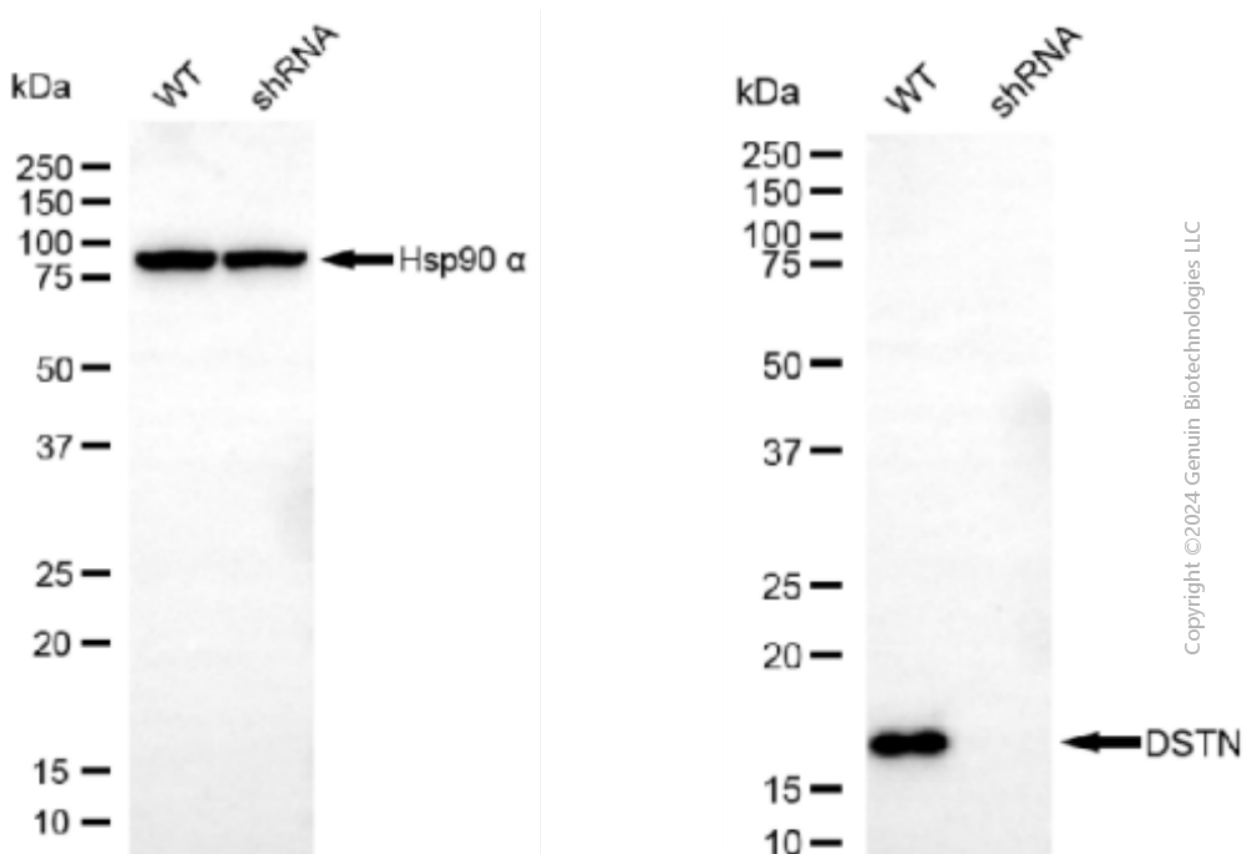
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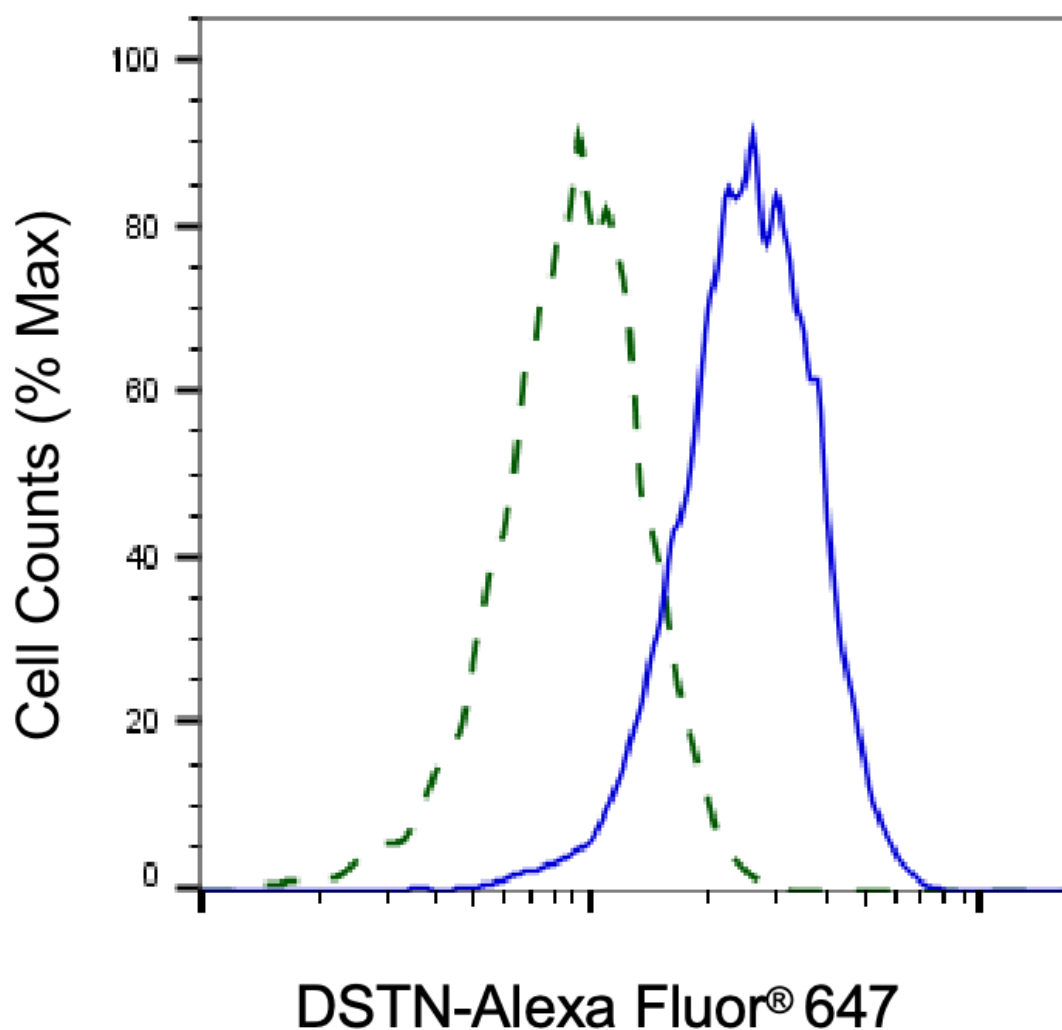


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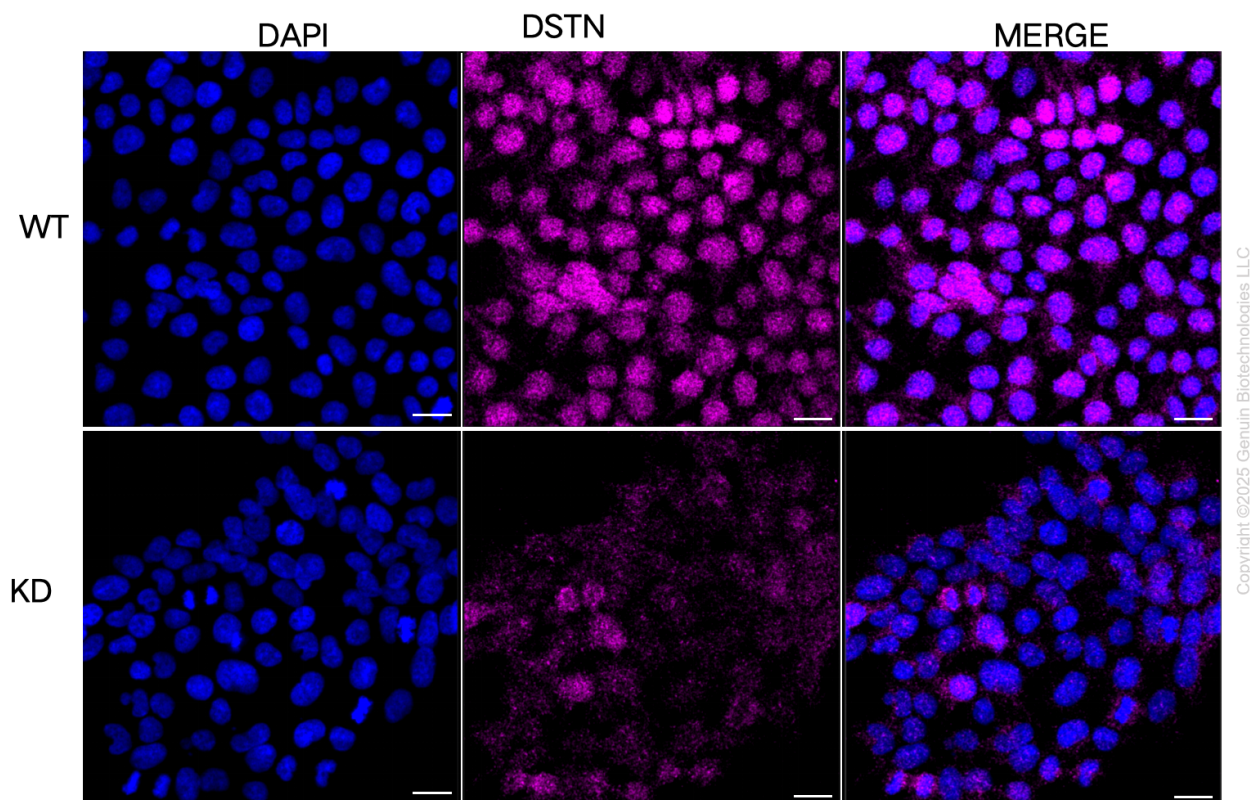
Western blotting analysis using anti-DSTN antibody (Cat#63438). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-DSTN antibody (Cat#63438, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-DSTN antibody (Cat#63438). DSTN expression in wild type (WT) and DSTN 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-DSTN antibody (Cat#63438, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Validation of DSTN knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-DSTN antibody (Cat#63438, 1:2,000) and analyzed using BD flow cytometer.



Immunocytochemical staining of HeLa cells using anti-DSTN antibody (Cat#63438, 1:1,000), Top panel: wild-type (WT); Bottom panel: DSTN shRNA knockdown (KD). Nuclei were stained blue with DAPI; DSTN was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.