

KD-Validated Anti-HSD17B4 Mouse Monoclonal Antibody



Catalog #: 65880

Aliases

HSD17B4; Hydroxysteroid 17-Beta Dehydrogenase 4; SDR8C1; MFE-2; DBP; 17-Beta-Hydroxysteroid Dehydrogenase 4; 3-Alpha,7-Alpha,12-Alpha-Trihydroxy-5-Beta-Cholest-24-Enoyl-CoA Hydratase; Short Chain Dehydrogenase/Reductase Family 8C Member 1; Peroxisomal Multifunctional Enzyme Type 2; 17beta-Estradiol Dehydrogenase Type IV; Peroxisomal Multifunctional Protein 2; D-Bifunctional Protein, Peroxisomal; D-3-Hydroxyacyl-CoA Dehydratase; Beta-Hydroxyacyl Dehydrogenase; Multifunctional Protein 2; Beta-Keto-Reductase; 17-Beta-HSD IV; 17-Beta-HSD 4; MFP-2; Short Chain Dehydrogenase/Reductase Family 8C, Member 1; Epididymis Secretory Sperm Binding Protein; Hydroxysteroid (17-Beta) Dehydrogenase 4; Hydroxysteroid Dehydrogenase 4; D-Bifunctional Protein; EDH17B4; PRLTS1; MPF-2

Background

Gene Name: HSD17B4

NCBI Gene Entry: [3295](#)

UniProt Entry: [P51659](#)

Application Information

Molecular Weight: Predicted, 80 kDa; observed, 73,75 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 25GB5635

Species Reactivity: Human, mouse

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

Immunogen

Recombinant protein of human HSD17B4

Isotype

Mouse IgG2b

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

SUPPORT

SUPPORT@GENUINBIOTECH.COM
TEL: +1-540-855-7041

ORDERS

SALES@GENUINBIOTECH.COM
FAX: +1-540-855-7041

WWW.GENUINBIOTECH.COM

Recommended Dilutions

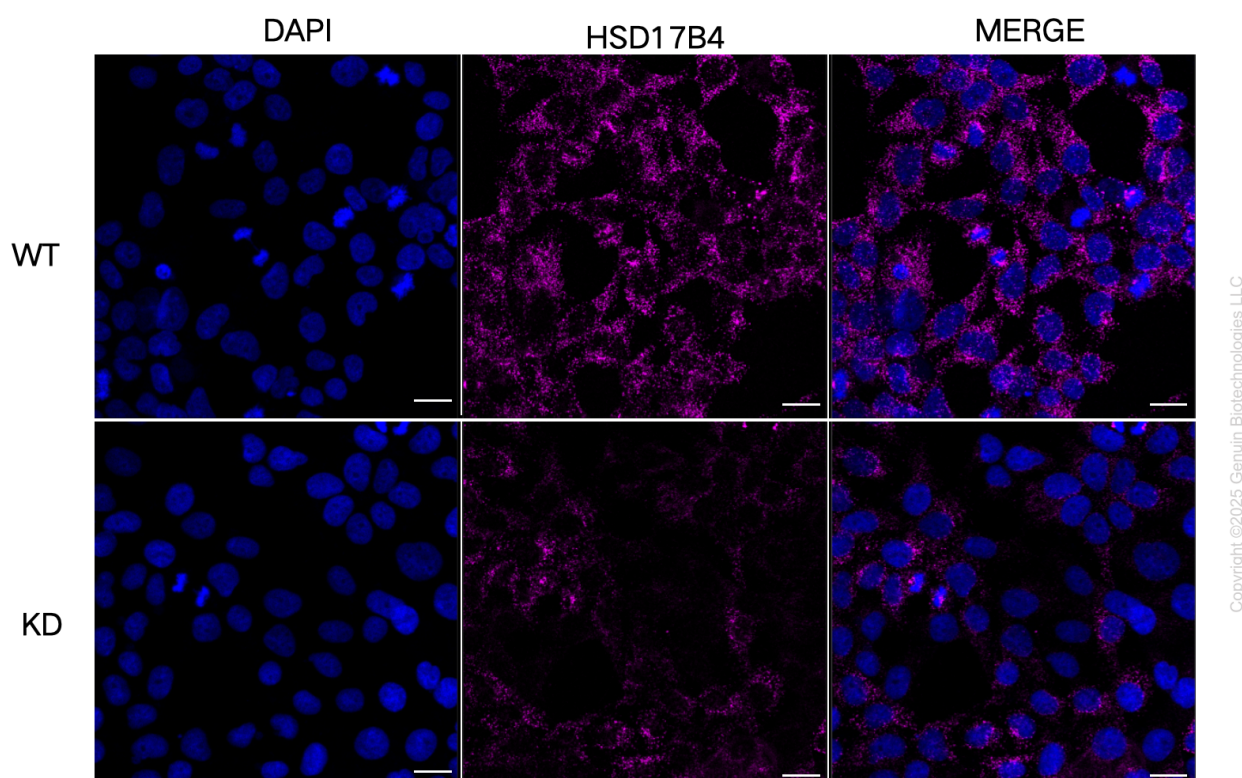
Western Blotting (WB): 1:400-1:2,000

Flow Cytometry (FCM): 1:2,000

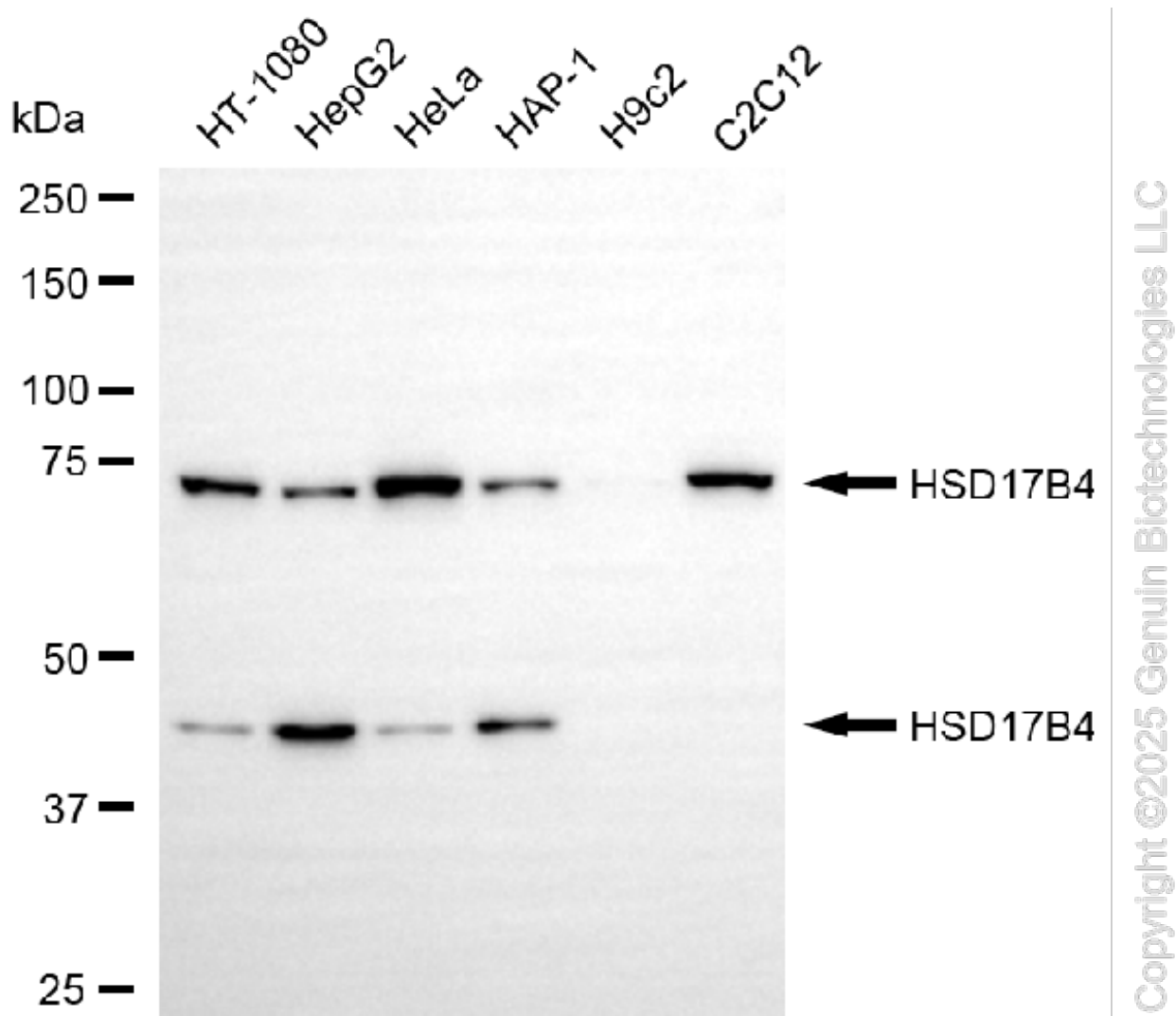
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

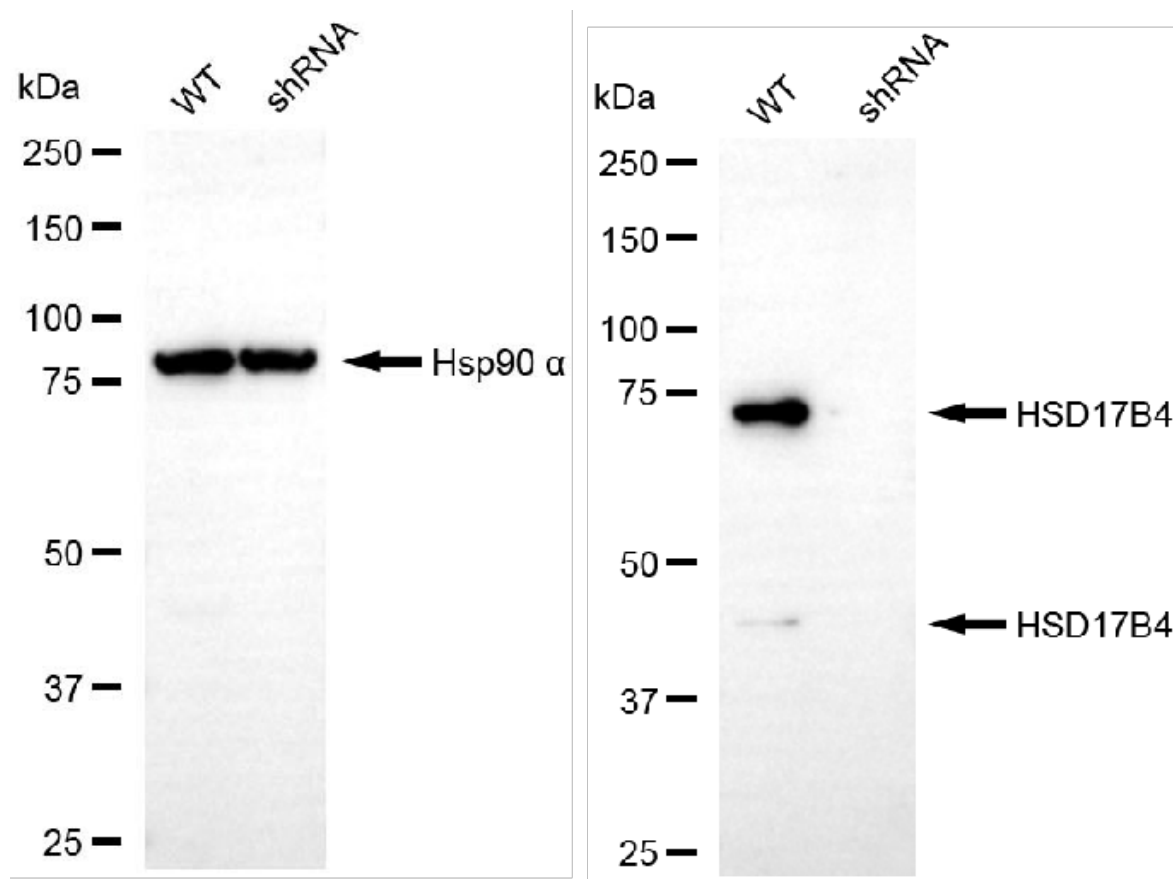
Validation Data



Immunocytochemical staining of HeLa cells using anti-HSD17B4 antibody (Cat#65880, 1:1,000), Top panel: wild-type (WT); Bottom panel: HSD17B4 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Acyl-CoA dehydrogenase short chain was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.

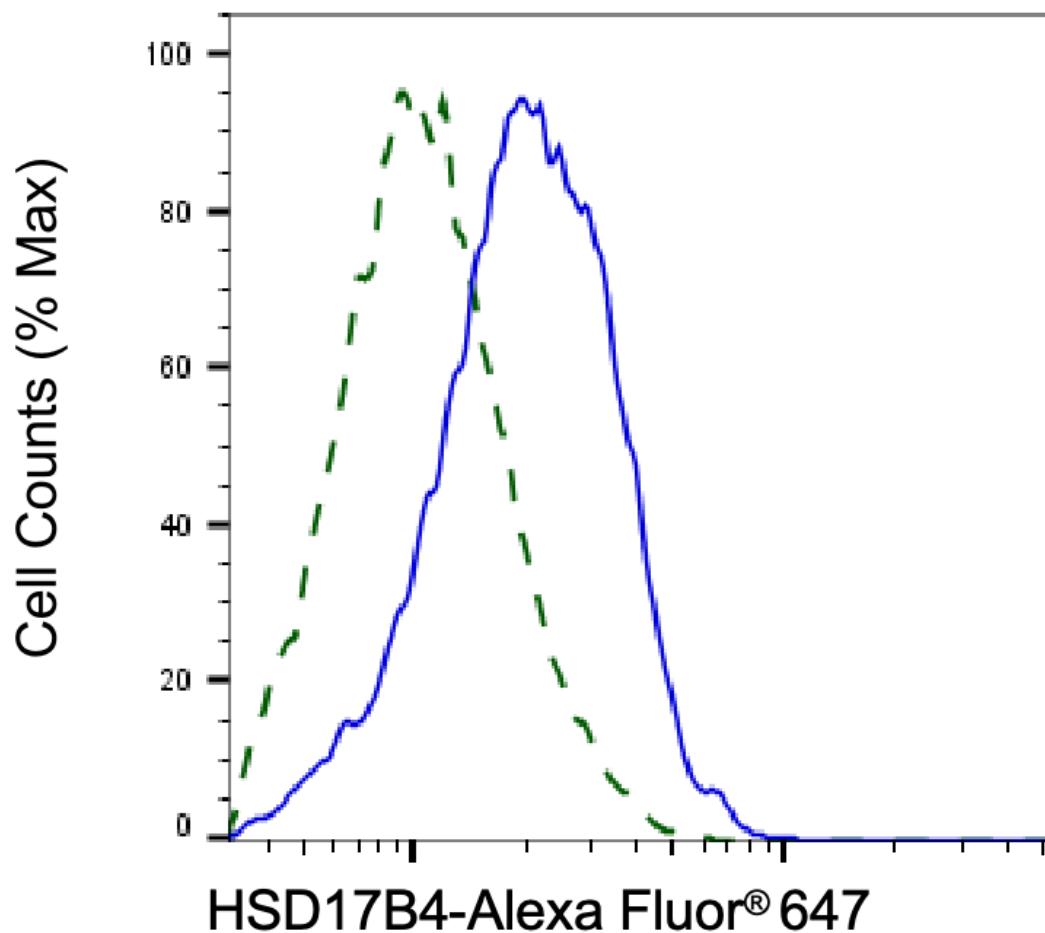


Western blotting analysis using anti-HSD17B4 antibody (Cat#65880). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-HSD17B4 antibody (Cat#65880, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Western blotting analysis using anti-HSD17B4 antibody (Cat#65880). HSD17B4 expression in wild-type (WT) and HSD17B4 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-HSD17B4 antibody (Cat#65880, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Validation of HSD17B4 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-HSD17B4 antibody (Cat#65880, 1:2,000) and analyzed using BD flow cytometer.