

## Catalog #: 52130

## Aliases

SCDR9; 17-beta-hydroxysteroid dehydrogenase 13; 17-beta-HSD 13; Short-chain dehydrogenase/reductase 9

## Background

Gene Name: HSD17B13

NCBI Gene Entry: [345275](#)

UniProt Entry: [Q7Z5P4](#)

## Application Information

Molecular Weight: Predicted, 33 kDa; observed, 33 kDa

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, mouse, rat

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

## Immunogen

Recombinant protein of human HSD17B13

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:50-1:100

Immunocytochemistry (IC): 1:50-1:200

**Note:** This product is for research use only.

## Validation Data

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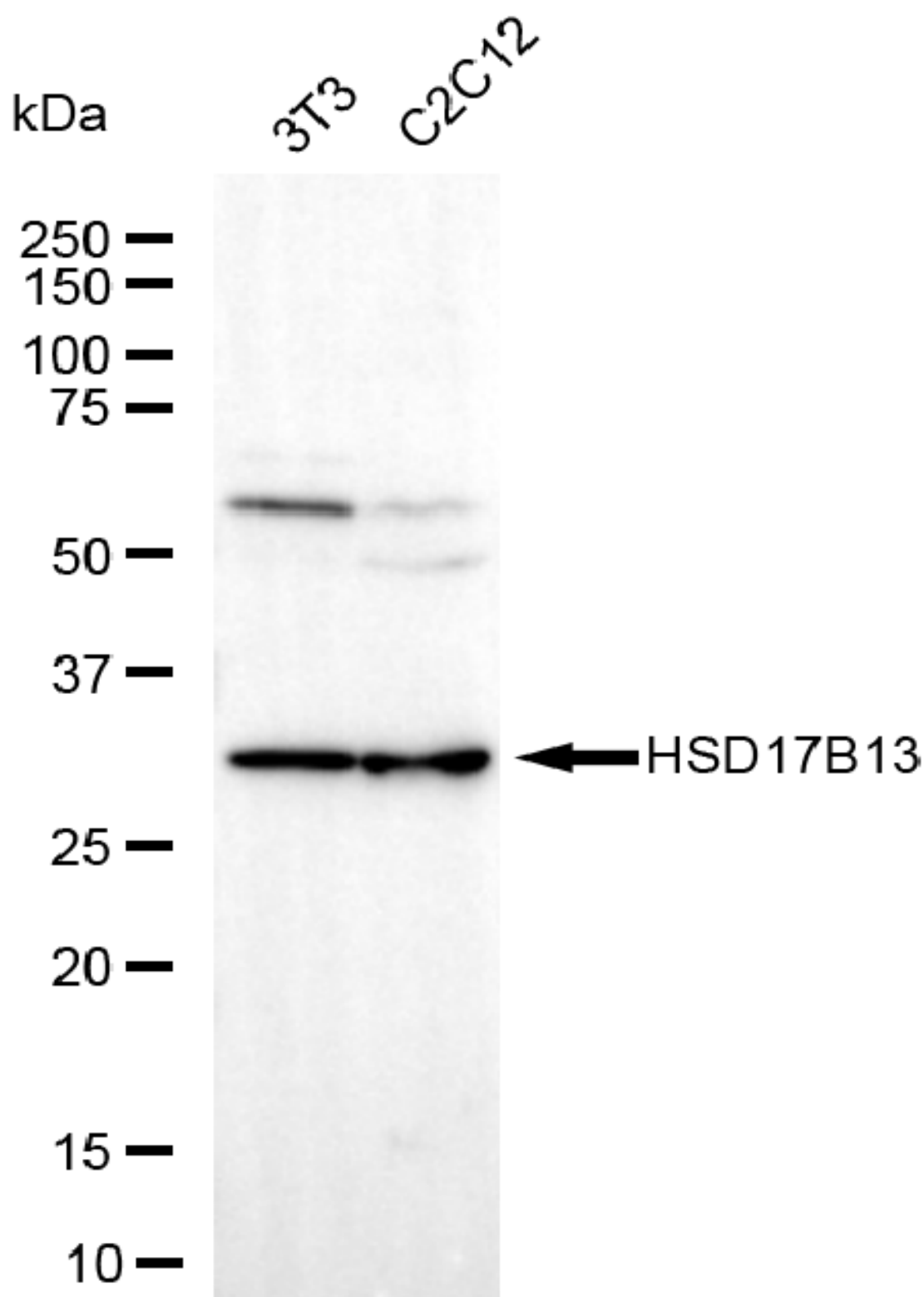
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Western blotting analysis using anti-HSD17B13 antibody (Cat#52130). Total lysates (30 µg) were loaded and separated by SDS-PAGE. The blot was incubated with anti-HSD17B13 antibody (Cat#52130, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201,

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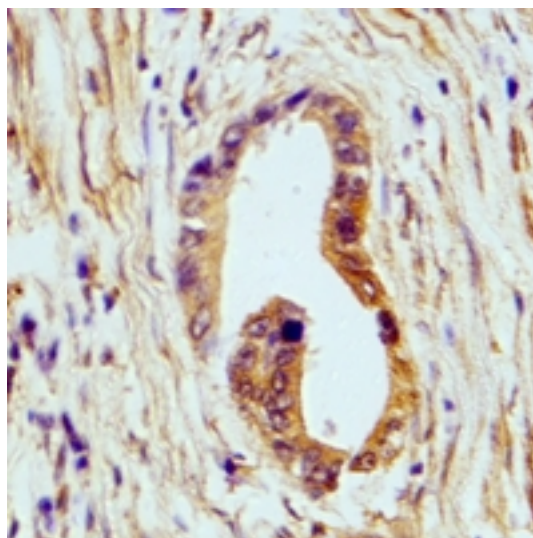
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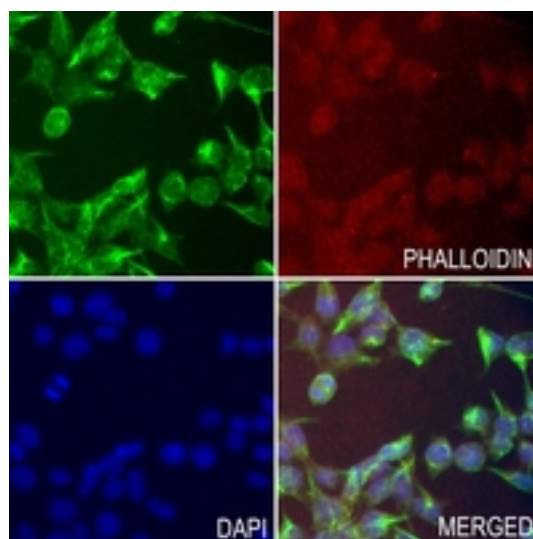
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1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Immunohistochemical analysis of HSD17B13 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunocytochemical analysis of HSD17B13 staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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