

Datasheet for ABIN7142280
anti-HSD3B7 antibody (AA 131-197)



[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | HSD3B7 |
| Binding Specificity: | AA 131-197 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HSD3B7 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|--|
| Purpose: | HSD3B7 Antibody |
| Immunogen: | Recombinant Human 3 beta-hydroxysteroid dehydrogenase type 7 protein (131-197AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse |
| Purification: | Protein G purified |
| Purity: | >95 % |

Target Details

| | |
|-------------------|--------|
| Target: | HSD3B7 |
| Alternative Name: | HSD3B7 |

Target Details

Background: Background: The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis (PubMed:11067870). Plays a key role in cell positioning and movement in lymphoid tissues by mediating degradation of 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC): 7-alpha,25-OHC acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells.

Aliases: HSD3B73 beta-hydroxysteroid dehydrogenase type 7 antibody, 3 beta-hydroxysteroid dehydrogenase type VII antibody, 3-beta-HSD VII antibody, 3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase antibody, C(27) 3-beta-HSD antibody, EC 1.1.1.- antibody, Cholest-5-ene-3-beta,7-alpha-diol 3-beta-dehydrogenase antibody, EC 1.1.1.181 antibody

UniProt: [Q9H2F3](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

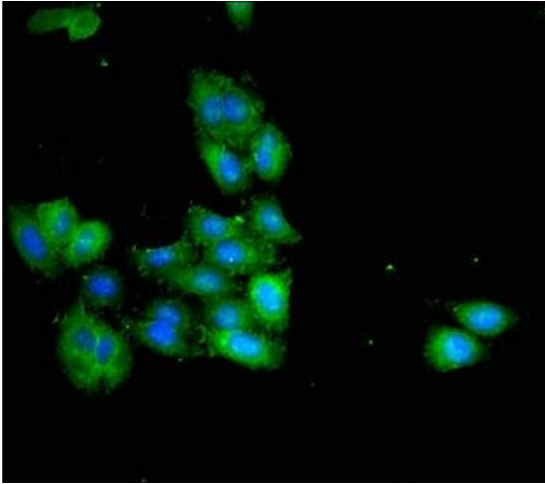
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

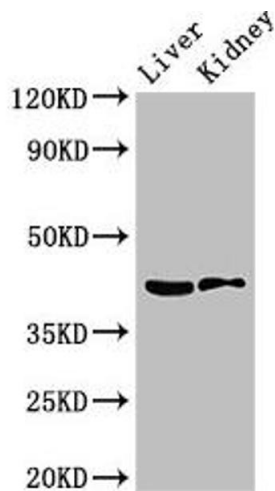
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7142280 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse liver tissue, Mouse kidney tissue All lanes: HSD3B7 antibody at 3.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 42, 22 kDa Observed band size: 42 kDa