

Datasheet for ABIN7600749
anti-HSD3B7 antibody (AA 23-363)



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Overview

Quantity:	100 µg
Target:	HSD3B7
Binding Specificity:	AA 23-363
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD3B7 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-HSD3B7 Antibody Picoband®
Immunogen:	E.coli-derived human HSD3B7 recombinant protein (Position: E23-A363). Human HSD3B7 shares 87.7% amino acid (aa) sequence identity with mouse HSD3B7.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-HSD3B7 Antibody Picoband® (ABIN7600749). Tested in ELISA, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HSD3B7
Alternative Name:	HSD3B7 (HSD3B7 Products)
Background:	<p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: This gene encodes an enzyme which is involved in the initial stages of the synthesis of bile acids from cholesterol and a member of the short-chain dehydrogenase/reductase superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein which is active against 7-alpha hydrosylated sterol substrates. Mutations in this gene are associated with a congenital bile acid synthesis defect which leads to neonatal cholestasis, a form of progressive liver disease. Multiple transcript variants encoding different isoforms have been found for this gene.</p>

Molecular Weight:	45 kDa
Gene ID:	80270
UniProt:	Q9H2F3

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Cheng, J. B., Jacquemin, E., Gerhardt, M., Nazer, H., Cresteil, D., Heubi, J. E., Setchell, K. D. R., Russell, D. W. Molecular genetics of 3-beta-hydroxy-D5-C27-steroid oxidoreductase deficiency in 16 patients with loss of bile acid synthesis and liver disease. J. Clin. Endocr. Metab. 88: 1833-1841, 2003. 2. Clayton, P. T., Leonard, J. V., Lawson, A. M., Setchell, K. D. R., Andersson, S.,</p>
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Application Details

Egestad, B., Sjøvall, J. Familial giant cell hepatitis associated with synthesis of 3-beta,7-alpha-dihydroxy- and 3-beta,7-alpha,12-alpha-trihydroxy-5-cholenoic acids. J. Clin. Invest. 79: 1031-1038, 1987. 3. Schwarz, M., Wright, A. C., Davis, D. L., Nazer, H., Bjorkhem, I., Russell, D. W. The bile acid synthetic gene 3-beta-hydroxy-delta-5-C27-steroid oxidoreductase is mutated in progressive intrahepatic cholestasis. J. Clin. Invest. 106: 1175-1184, 2000.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.