

3Beta-HSD7 Polyclonal Antibody

Description

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|--------------------------------|--|
| Product type | Primary Antibody |
| Code | BT-AP00031 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human HSD3B7. AA range:121-170 |
| Mol wt | 41016 |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | 3beta-HSD7 Antibody |
| Synonyms | HSD3B7; 3 beta-hydroxysteroid dehydrogenase type 7; 3 beta-hydroxysteroid dehydrogenase type VII; 3-beta-HSD VII; 3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase; C(27) 3-beta-HSD; Cholest-5-ene-3- |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

HSD3B7 encodes an enzyme (hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7) 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 hydroxylated sterol substrates. Mutations in HSD3B7 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 HSD3B7.

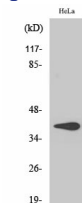
Recommended Dilution

WB: 1: 500 - 1: 2000

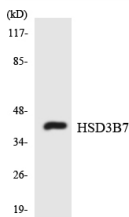
ELISA: 1: 20000

Not yet tested in other applications.

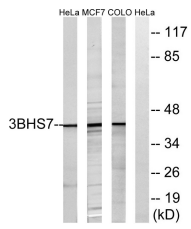
Images



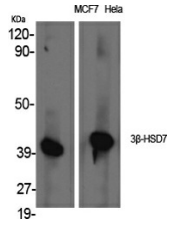
Western Blot analysis of COLO205 cells using 3β-HSD7 Polyclonal Antibody diluted at 1:1000



Western blot analysis of the lysates from Jurkat cells using HSD3B7 antibody.



Western blot analysis of lysates from HeLa, MCF-7, and COLO cells, using HSD3B7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using 3β-HSD7 Polyclonal Antibody diluted at 1:1000

Storage

-20°C for one year

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