

Polyclonal Antibody to 3-beta-HSD1 / HSD3B1 - Aff - Purified

Alternate names:	3-beta-hydroxysteroid dehydrogenase, Delta 5-->4-isomerase type 1, Trophoblast Marker
Catalog No.:	TA302509
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	<p>HSD3B1 (3-beta hydroxysteroid dehydrogenase) is a bifunctional enzyme that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids.</p> <p>There are two HSD3B1 proteins, type I and type II. Expressed by different genes, they function in different areas of the body. HSD3B1 has been shown to be a highly specific and sensitive trophoblast-associated marker (Mao et. al).</p>
Uniprot ID:	P14060
NCBI:	NP_000853.1
GeneID:	3283
Host:	Goat
Immunogen:	Peptide with sequence C-DRHKETLKSQTQ, from the C Terminus of the protein sequence
Format:	State: Liquid purified Ig Purification: Affinity chromatography Buffer System: Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Applications:	Peptide ELISA: 1/128000. Western Blot: 0.01 - 0.1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to HSD3B1. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Chang BL, Zheng SL, Hawkins GA, Isaacs SD, Wiley KE, Turner A, et al. Joint effect of HSD3B1 and HSD3B2 genes is associated with hereditary and sporadic prostate cancer susceptibility. Cancer Res. 2002 Mar 15;62(6):1784-9. PubMed PMID: 11912155.

Pictures:

TA302509 (0.01µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

