

Basic Information

Product Name	Anti-HSD3B1 Antibody (Clone#3F3C/7F9C8)	
Gene Name	HSD3B1	
Source	Mouse	
Isotype	IgG2b	
Species Reactivity	human, mouse, rat	
Tested Application	WB, ICC/IF	
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.	
Immunogen	E.coli-derived human HSD3B1 recombinant protein (Position: Q17-Q373).	
concentration	500 ug/ml	
Purification	protein G purified.	
Observed MW	42KD	
Dilution Ratios	Western blot(WB):	1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-400

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

HSD3B1 is a human gene that encodes for a 3beta-hydroxysteroid dehydrogenase/delta(5)-delta(4)isomerase type I or hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1. It is mapped to 1p12. The protein encoded by this gene is an enzyme that catalyzes the oxidative conversion of delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, which leads to the production of all classes of steroid hormones. The encoded protein also catalyzes the interconversion of 3-beta-hydroxy- and 3-keto-5-alpha-androstane steroids.

Selected Validation Data

Product datasheet
Anti-HSD3B1 Antibody
(Clone#3F3C/7F9C8)
Catalog Number: M02856

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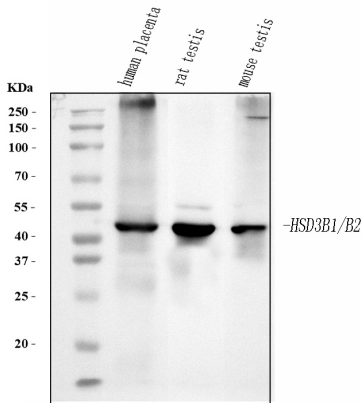


Figure 1. Western blot analysis of anti- HSD3B1/B2 Antibody (M02856). The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: human placenta tissue lysates,

Lane 2: rat testis tissue lysates,

Lane 3: mouse testis tissue lysates.

Use mouse anti- HSD3B1/B2 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for HSD3B1/B2 at approximately 42KD. The expected band size for HSD3B1/B2 is at 42KD.