SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-HSD3B1+ HSD3B2/AF594 Conjugated antibody

Catalog Number: SL16551R-AF594

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-HSD3B1+ HSD3B2/AF594
Immunogen:	KLH conjugated synthetic peptide derived from human HSD3B1+ HSD3B2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Dog,Horse)
Background:	background: The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2009] **Subcellular Location:** Endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion membrane; Single-pass membrane protein. **Tissue Specificity:** Placenta and skin. Predominantly expressed in mammary gland tissue. **Similarity:** Belongs to the 3-beta-HSD family. **Database links:** **Entrez Gene:** 3283 Human

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 3284 Human **Entrez Gene:** 15492 Mouse **Entrez Gene:** 15494 Mouse **Entrez Gene:** 29632 Rat **Entrez Gene:** 360348 Rat **Entrez Gene:** 682974 Rat Omim: 109715 Human **SwissProt:** P14060 Human **SwissProt:** P26439 Human **SwissProt:** O35469 Mouse **SwissProt:** P24815 Mouse **SwissProt:** P26149 Mouse **SwissProt:** P26150 Mouse **SwissProt:** P22071 Rat **SwissProt:** P22072 Rat **SwissProt:** Q5FVK0 Rat **SwissProt:** Q62878 Rat **Unigene:** 364941 Human **Unigene:** 654399 Human **Unigene:** 140811 Mouse **Unigene:** 14435 Mouse **Unigene:** 158717 Mouse **Unigene:** 482364 Mouse **Unigene:** 109394 Rat **Unigene:** 128814 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. HSD3B1 is a trophoblast cell marker (also including hPL, hCG, Mel-CAN, p63, HLA-G, CK18 and inhibin-α) It is also highly expressed in many Tumour and normal endocrine tissues