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Rabbit Anti-HSD3B1+ HSD3B2/Cy5.5 Conjugated antibody

SL16551R-Cy5.5

Product Name	Anti-HSD3B1+ HSD3B2/Cy5.5
Chinese Name	Cy5.5 标记的滋养层细胞抗原 3β-HSD 抗体
Alias	3 beta and steroid delta isomerase 1; 3 beta and steroid hydroxy delta 5 steroid dehydrogenase; 3 beta HSD I; 3BH; 3BHSD; HGNC:5217; HSD3B; HSD3B1; HSDB3; HSDB3A; Hydroxy delta 5 steroid dehydrogenase 3 beta and steroid delta isomerase 1; Hydroxy delta 5 steroid dehydrogenase; trophoblast antigen; 3BHS1_HUMAN; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type I; Short=3-beta-HSD I; Trophoblast antigen FDO161G; 3-beta-hydroxy-Delta(5)-steroid dehydrogenase; 3-beta-hydroxy-5-ene steroid dehydrogenase; Progesterone reductase; Steroid Delta-isomerase; Delta-5-3-ketosteroid isomerase.
Research Area	Tumour Cell biology immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Dog,Horse)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	41kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HSD3B1+ HSD3B2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4.
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.

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.

Product Detail

Database links:
Entrez Gene: 3283 Human

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 属于滋养层细胞标记物（也包括 hPL、hCG、Mel-CAN、p63、HLA—G、CK18 和 inhibin-α） 在很多 Tumour 及正常内分泌组织中表达也很高