SunLong Biotech Co.,LTD
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Rabbit Anti-HSD17B1 antibody

SLM-60664R

Product Name	HSD17B1
Chinese Name	羟类固醇脱氢酶 17β-HSDRecombinant rabbit monoclonal anti
Alias	11beta-HSD1; 17beta-HSD1; 17 beta HSD 1; 17 beta hydroxysteroid dehydrogenase type 1; 17β-hydroxysteroid dehydrogenasetype 1 EDH17B2; EDHB17; Estradiol 17 beta dehydrogenase 1; HSD17; Hydroxysteroid (17 beta) dehydrogenase 1; Placental 17 beta hydroxysteroid dehydrogenase; DHB1_HUMAN.
Research Area	Signal transduction
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	R6D3
React Species	Human
Applications	WB=1:1000-5000,IHC-P=1:1000-5000,IHC-F=1:1000-5000,IF=1:1000-5000（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	35kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HSD17B1
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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PubMed

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This gene encodes a member of the 17beta-hydroxysteroid dehydrogenase family of short-chain dehydrogenases/reductases. It has a dual function in estrogen activation and androgen inactivation and plays a major role in establishing the estrogen E2 concentration gradient between serum and peripheral tissues. The encoded protein catalyzes the last step in estrogen activation, using NADPH to convert estrogens E1 and E2 and androgens like 4-androstenedione, to testosterone. It has an N-terminal short-chain dehydrogenase domain with a cofactor binding site, and a narrow, hydrophobic C-terminal domain with a steroid substrate binding site. This gene is expressed primarily in the placenta and ovarian granulosa cells, and to a lesser extent, in the endometrium, adipose tissue, and prostate. Polymorphisms in this gene have been linked to breast and prostate cancer. A pseudogene of this gene has been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Subcellular Location:
Cytoplasm.

Product Detail

SWISS:
P14061

Gene ID:
3292

Database links:

Entrez Gene: 3292 Human

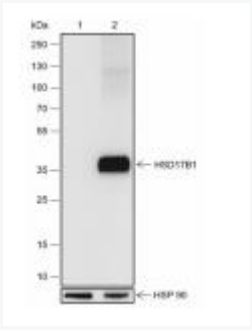
Omim: 109684 Human

SwissProt: P14061 Human

Unigene: 654385 Human

Unigene: 655222 Human

Product Picture



Blocking buffer: 5% NFDM/TBST

Primary Ab dilution: 1:20000

Primary Ab incubation condition: 2 hours at

room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L

(HRP)

Lysate: 1: Human heart (Negative control), 2:

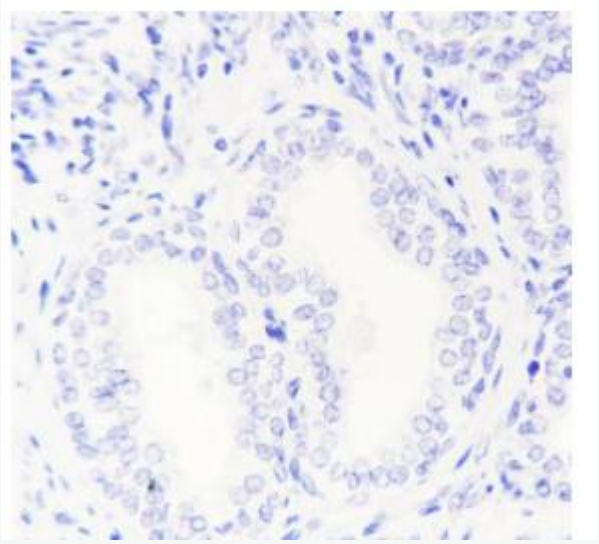
Human placenta

Protein loading quantity: 20 μg

Exposure time: 30 s

Predicted MW: 35 kDa

Observed MW: 35 kDa



Tissue: Human prostatic hyperplasia (Negative

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tissue)

Section type: Formalin-fixed &

Paraffin-embedded section

Retrieval method: High temperature and high

pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

Primary Ab dilution: 1:5000

Primary Ab incubation condition: 1 hour at

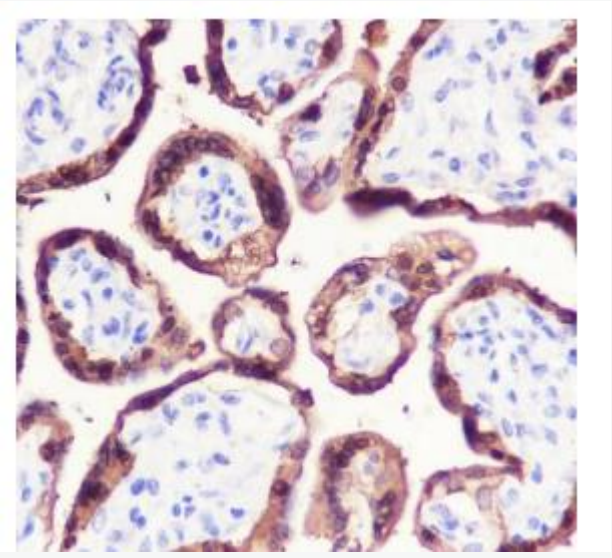
room temperature

Secondary Ab: Anti-Rabbit and Mouse

Polymer HRP (Ready to use)

Counter stain: Hematoxylin (Blue)

Comment: No staining on SLM-60664R



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Tissue: Human placenta

Section type: Formalin-fixed &

Paraffin-embedded section

Retrieval method: High temperature and high

pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

Primary Ab dilution: 1:5000

Primary Ab incubation condition: 1 hour at

room temperature

Secondary Ab: Anti-Rabbit and Mouse

Polymer HRP (Ready to use)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for

SLM-60664R