

Recombinant

DGRmAb®

HSD17B1 (DGR15149) Rabbit mAb (PBS Only)

db13121-PBS

Package : 100µg

Product Name : HSD17B1 (DGR15149) Rabbit mAb (PBS Only)**Cat.No.:** db13121-PBS**Synonyms** : E2DH; HSD17; EDHB17; EDH17B2; SDR28C1; 17-beta-HSD; 20-alpha-HSD**Application** : WB, IHC-P, FC, IP**Reactivity** : Human**Host species** : Rabbit**Background**

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]

Immunogen

A synthetic peptide of human HSD17B1

Gene ID

3292

Swiss Prot

P14061

Synonyms

E2DH; HSD17; EDHB17; EDH17B2; SDR28C1; 17-beta-HSD; 20-alpha-HSD

Reactivity

Human

Application

WB, IHC-P, FC, IP

Recommended dilution

WB: 1:2000-1:20000

IHC-P: 1:100-1:200

FC: 1:100-1:200

IP: 1:50

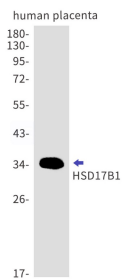
Calculated MW

35 kDa

Observed MW

35 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15149
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of HSD17B1 in human placenta cell lysates using [db13121](#)(1:1000 diluted).