

HSD3B2 polyclonal antibody

Catalog: BS60084-B

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

3 beta-hydroxysteroid dehydrogenase (3 β -HSD), also known as HSD3B1 or HSDB3, is a bifunctional enzyme that plays a crucial role in the synthesis of all classes of hormonal steroids. Two human 3 β -HSD proteins, designated type I (3 β -HSD) and type II (3 β -HSD2), are expressed by different genes and function in different areas of the body. Localized to the membrane of the endoplasmic reticulum (ER) and expressed in skin and placenta, 3 β -HSD is the type I protein that catalyzes the oxidative conversion of Δ^5 -ene-3-beta-hydroxy steroid, as well as the conversion of various ketosteroids. Defects in the gene encoding 3 β -HSD are associated with classic salt wasting, genital ambiguity, hypogonadism, insulin-resistant polycystic ovary syndrome (PCOS) and an increased susceptibility to prostate cancer. Additionally, congenital deficiency of 3 β -HSD activity results in a severe depletion of steroid formation which can be lethal in young children.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 42 kDa

Swiss-Prot:

P26439

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

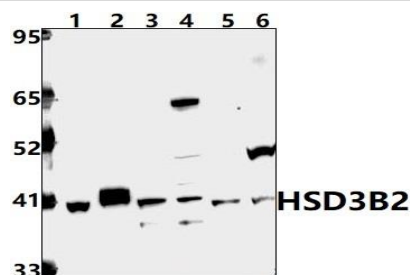
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

HSD3B2 polyclonal antibody detects endogenous levels of HSD3B2 protein.

DATA:



Western blot (WB) analysis of HSD3B2 pAb at 1:500 dilution

Lane1:THP-1 whole cell lysate(20ug)

Lane2:The testis tissue lysate of Mouse(20ug)

Lane3:RAW264.7 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:A2780 whole cell lysate(40ug)

Lane6:SK-OVCAR3 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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