HSD3B2 polyclonal antibody

Catalog: BCP00906 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

3 beta-hydroxysteroid dehydrogenase (3β-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 3β-HSD proteins, designated type I (3β-HSD) and type II (3β-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, 3β-HSD is the type I protein that catalyzes the oxidative conversion of ∂5-ene-3-beta-hydroxy steroid, as well as the conversion of various ketosteroids. Defects in the gene encoding 3β-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 3β-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:

~ 41 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

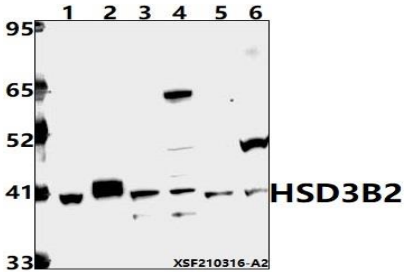
Storage&Stability:

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

Specificity:

HSD3B2 polyclonal antibody detects endogenous levels of HSD3B2 protein.

DATA:



Western blot (WB) analysis of HSD3B2 polyclonal antibody 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.

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.