

HSD3B2 polyclonal antibody

Catalog: BS60084-B

Host: Rabbit

Reactivity: Human,Rat,Mouse

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:

~ 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

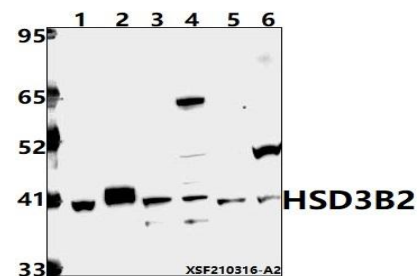
Storage&Stability:

Store at 4 °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 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.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151