

HSD11B1 polyclonal antibody

Catalog: BS5588

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Glucocorticoid hormone action in target tissues is modulated by 11b-hydroxysteroid dehydrogenase (11b-HSD), which catalyzes the interconversion of hormonally active C11-hydroxylated corticosteroids (cortisol, corticosterone) and their inactive C11-keto metabolites (cortisone, 11-dehydrocorticosterone). At least two isoforms of 11b-HSD exist: a low-affinity NADP-dependent dehydrogenase/oxoreductase (11b-HSD1) and a high-affinity NAD-dependent dehydrogenase (11b-HSD2). The glycosylated 11b-HSD1 protein activates cortisol from cortisone, which is widely expressed in mammals, and is most highly expressed in the liver. 11b-HSD1 may play a role in glucose homeostasis and pathogenesis of a number of disorders including insulin resistance and obesity.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 32 kDa

Swiss-Prot:

P28845

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

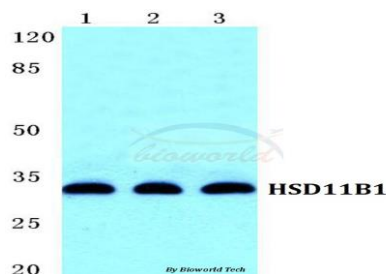
Storage&Stability:

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

Specificity:

HSD11B1 polyclonal antibody detects endogenous levels of HSD11B1 protein.

DATA:



Western blot (WB) analysis of HSD11B1 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:H9C2 cell lysate

Lane3:PC12 cell lysate

Note:

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

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