

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



HSD11B1 Peptide

Cat No.: BS5588P

Background

Glucocorticoid hormone action in target tissues is modulated by 11 β -hydroxysteroid dehydrogenase (11 β -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 11 β -HSD exist: a low-affinity NADP-dependent dehydrogenase/oxoreductase (11 β -HSD1) and a high-affinity NAD-dependent dehydrogenase (11 β -HSD2). The glycosylated 11 β -HSD1 protein activates cortisol from cortisone, which is widely expressed in mammals, and is most highly expressed in the liver. 11 β -HSD1 may play a role in glucose homeostasis and pathogenesis of a number of disorders including insulin resistance and obesity.

Swiss-Prot

P28845

Applications

Blocking

Specificity

This peptide can be used with studies using BS5588 HSD11B1 pAb.

Purification & Purity

Synthetic peptide HSD11B1. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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