

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CYP17A1 (N249) Peptide

Cat No.: BS2187P

#### Background

CYP17A (17 $\alpha$ -hydroxylase/17,20-lyase) is important for the conversion of pregnenolone and progesterone to dehydroepiandrosterone (DHEA) and androstenedione. In this process, it catalyzes both the 17 $\alpha$ -hydroxylation and the 17,20-lyase reaction. CYP17A1 is crucial during sexual development, both during fetal development and during puberty, and is intracellularly regulated by cAMP levels. Defects in the CYP17A1 gene, which encodes for the protein, may cause adrenal hyperplasia type V (AH-V) which is characterized by hypokalemia and hypertension. Male patients affected by AH-V do not undergo normal sexual differentiation and develop female external genitalia and do not undergo pubertal development.

#### Swiss-Prot

P05093

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2187 CYP17A1 (N249) pAb.

#### Purification & Purity

Synthetic peptide CYP17A1 (N249). (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.

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