

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### ATP5A (K239) Peptide

Cat No.: BS3814P

#### Background

Mitochondrial ATP synthases (ATPases) transduce the energy contained in membrane electrochemical proton gradients into the energy required for synthesis of high-energy phosphate bonds. ATPases contain two linked complexes, F1, the hydrophilic catalytic core, and F0, the membrane-embedded protein channel. F1 consists of three  $\alpha$  chains and three  $\beta$  chains, which are weakly homologous, as well as one  $\gamma$  chain, one  $\delta$  chain and one  $\epsilon$  chain. F0 consists of three subunits, a, b and c. The  $\alpha$  chain of F1 is a regulatory subunit that contains 509 amino acids. Mitochondrial ATPase  $\alpha$  chain (ATP5A) localizes to the mitochondria and catalyzes ATP synthesis.

#### Swiss-Prot

P25705

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3814 ATP5A (K239) pAb.

#### Purification & Purity

Synthetic peptide ATP5A (K239). (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.