

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### AMPK $\gamma$ 1/2/3 (K78) Peptide

Cat No.: BS2480P

#### Background

The 5-AMP activated protein kinase (AMPK), a member of the SNF1 (sucrose non fermentor) kinase family, is a heterotrimeric protein comprise of alpha (63 kDa), beta (30 kDa) and gamma (38 kDa) subunits. The alpha subunit is the catalytic subunit, while beta and gamma are non catalytic subunits (although they have been found to interact with the active subunit in liver). AMPK regulates fatty acid and sterol synthesis by phosphorylation of acetyl-CoA as well as cholesterol synthesis via phosphorylation and inactivation of hydroxymethylglutaryl-CoA reductase. AMPK is activated by AMP and can be also regulated by treatment with purified protein phosphatase in vitro.

#### Swiss-Prot

P54619/Q9UGJ0/Q9UGI9

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2480 AMPK $\gamma$ 1/2/3 (K78) pAb.

#### Purification & Purity

Synthetic peptide AMPK $\gamma$ 1/2/3 (K78). (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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