

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-PKA $\alpha$ / $\beta$ cat (T197) Peptide

Cat No.: BS4345P

#### Background

PRKACA and PRKACB are members of the Ser/Thr protein kinase family and are a catalytic subunit of cAMP-dependent protein kinase. cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits.

#### Swiss-Prot

P17612/P22694

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4345 p-PKA $\alpha$ / $\beta$  cat (T197) pAb.

#### Purification & Purity

Synthetic peptide p-PKA $\alpha$ / $\beta$  cat (T197). (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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