

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### CARP (A243) Peptide

Cat No.: BS2066P

#### Background

A proposed genetic marker of cardiac hypertrophy, CARP (cardiac ankyrin repeat protein, ANKRD1, Ankyrin repeat domain-containing protein 1, ) is a nuclear protein with an established role in regulation of cardiac gene expression. A distinct increase in CARP expression occurs in rats with abdominal aorta constriction, spontaneous hypertension and Dahl salt-sensitivity. In cardiomyocytes, CARP inhibits transcription of both cardiac troponin C and atrial natriuretic factor. Specifically, expression of the CARP gene, which lies downstream of the cardiac homeobox gene Nkx2.5, inhibits Nkx2.5 transactivation of atrial natriuretic factor promoter. An increase in CARP expression is observed in the ventricular tissue of patients with endstage heart failure.

#### Swiss-Prot

Q15327

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2066 CARP (A243) pAb.

#### Purification & Purity

Synthetic peptide CARP (A243). (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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