

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Tak1 (D181) Peptide

Cat No.: BS1839P

#### Background

Several serine/threonine protein kinases have been implicated as intermediates in signal transduction pathways. These include ERK/MAP kinases, ribosomal S6 kinase (Rsk) and Raf-1. Raf-1 is a 74 kDa protein with intrinsic kinase activity towards serine/threonine residues and that is widely expressed in many tissue types and cell lines. Raf-1 activation is dependent on the small molecular weight GTPase Ras, but the means by which this activation occurs is poorly understood. Two proteins putatively involved in this process are Ksr-1 and Tak1. Ksr-1 (kinase suppressor of Ras) is a novel Raf-related protein kinase whose function is required for Ras signal transduction. Whether Ksr-1 lies directly downstream of Ras or acts in a parallel pathway is not yet known. Tak1 (TGF $\beta$ -activated kinase) has been shown to participate in the activation of the MAP kinase family in response to TGF $\beta$  stimulation.

#### Swiss-Prot

O43318

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS1839 Tak1 (D181) pAb.

#### Purification & Purity

Synthetic peptide Tak1 (D181). (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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