

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-JNK1/2/3 (T183/Y185) Peptide

Cat No.: BS4322P

#### Background

The human JNK1 (PRKM8, SAPK1, MAPK8) gene maps to chromosome 10q11.22 and shares 83% amino acid identity with JNK2. JNK1 is necessary for normal activation and differentiation of CD4 helper T (TH) cells into TH1 and TH2 effector cells. Capsaicin activates JNK1 and p38 in Ras-transformed human breast epithelial cells. Nitrogen oxides (NOx) upregulate JNK1 in addition to c-Fos, c-Jun and other signaling kinases, including MEKK1 and p38. JNK3 (MK10, MAPK10, PRKM10) is activated by pro-inflammatory cytokines and environmental stresses by phosphorylating transcription factors such as c-Jun and ATF2. This is important for AP-1 transcriptional activity regulation. JNK3 is crucial for neuronal apoptosis (stress-induced).

#### Swiss-Prot

P45983/P45984/P53779

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4322 p-JNK1/2/3 (T183/Y185) pAb.

#### Purification & Purity

Synthetic peptide p-JNK1/2/3 (T183/Y185). (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.