

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### NPAS1 Peptide

Cat No.: BS5820P

#### Background

Members of the bHLH-PAS family are transcription factors that contain a basic helix-loop-helix (bHLH) DNA-recognition motif which is located N-terminal to a PAS domain comprised of two imperfect direct repeats. Human NPAS1 is a deduced 590-amino acid protein which shares 86% sequence homology with mouse Npas1. In order for NPAS1 to bind DNA efficiently, it must form a dimer with another bHLH protein. NPAS1 interacts with ARNT (aryl hydrocarbon receptor nuclear translocator), and shows predominant expression in brain tissue. NPAS1 is also implicated in the control of regulatory pathways relevant to schizophrenia and to psychotic illness, and may play a role in late central nervous system development by modulating EPO expression in response to cellular oxygen levels.

#### Swiss-Prot

Q99742

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5820 NPAS1 pAb.

#### Purification & Purity

Synthetic peptide NPAS1. (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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