

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### N4BP2L2 Peptide

Cat No.: BS5850P

#### Background

N4BP2L2 (NEDD4-binding protein 2-like 2), also known as PFAAP5 (phosphonoformate immuno-associated protein 5), is a 583 amino acid nuclear protein that potentially is involved in transcriptional regulation. N4BP2L2 is phosphorylated on Ser 199 in response to DNA damage, probably by ATM or ATR. Primarily expressed in bone marrow, N4BP2L2 is dramatically down-regulated after exposure to arsenic compounds, an event which precedes neutropenia. PFAAP5 interacts with both Gfi-1 and Neutrophil Elastase, two proteins that are implicated in neutropenia disorders. Defects in the gene encoding Neutrophil Elastase, ELA2, are the cause of cyclic haematopoiesis, which, with decreased numbers of circulating neutrophils, leads to an increased risk for opportunistic infection.

#### Swiss-Prot

Q92802

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5850 N4BP2L2 pAb.

#### Purification & Purity

Synthetic peptide N4BP2L2. (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.