

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### NQO1 (F252) Peptide

Cat No.: BS2945P

#### Background

NAD(P)H:quinone oxidoreductase 1 (NQO1) is a flavoprotein that catalyzes the two-electron reduction of quinones and their derivatives. This enzyme protects cells against redox cycling and oxidative stress. The expression of NQO1 is increased in liver, colon and breast tumors and non-small cell lung cancer (NSCLC) compared with the normal tissues. Moreover, expression levels are also elevated in developing tumors, suggesting a role for NQO1 in the prevention of tumor development. Studies on NQO1 knockout mice suggest that the lack of NQO1 enzymatic activity changes intracellular redox states resulting in a reduction in apoptosis, which in turns leads to myeloid hyperplasia of bone marrow.

#### Swiss-Prot

P15559

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2945 NQO1 (F252) pAb.

#### Purification & Purity

Synthetic peptide NQO1 (F252). (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.