

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-BIK/ NBK (T33) Peptide

Cat No.: BS4215P

#### Background

The Bcl-2 gene was isolated at the chromosomal breakpoint of t-bearing follicular B cell lymphomas. Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. A protein designated Bax p21 (i.e., Bcl-associated X protein) has extensive amino acid homology with Bcl-2 and both homodimerizes and heterodimerizes with Bcl-2. Overexpression of Bax accelerates apoptotic death. Natural born killer (NBK), also known as Bik, is a protein that is functionally related to Bax, although the two proteins share very little sequence homology. NBK does not contain the conserved Bcl-2 homology domains (BH domains) characteristic of the Bcl-2 family. It does however, share nine amino acids with Bax in a region designated BH3, which may be the critical determinant for the protein's death-promoting activities. Phosphorylation of NBK at Ser35 and Thr33 is required for eliciting efficient apoptotic activity.

#### Swiss-Prot

Q13323

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS4215 p-BIK/ NBK (T33) pAb.

#### Purification & Purity

Synthetic peptide p-BIK/ NBK (T33). (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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