

**BIK/ NBK (phospho-T33) polyclonal antibody**

Catalog: BS4215

Host: Rabbit

Reactivity: Human

**BackGround:**

The Bcl-2 gene was isolated at the chromosomal break-point 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.

**Product:**

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

**Molecular Weight:**

~ 23 kDa

**Swiss-Prot:**

Q13323

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB: 1:500~1:1000

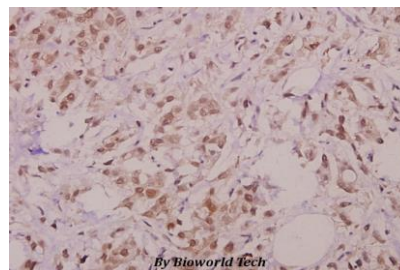
IHC: 1:50~1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

p-NBK (T33) polyclonal antibody detects endogenous levels of NBK protein only when phosphorylated at Thr33.

**DATA:**

Immunohistochemistry (IHC) analyzes of p-BIK/ NBK (T33) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

**Note:**

For research use only, not for use in diagnostic procedure.

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