

**NBK (phospho Thr33) rabbit pAb****Cat#: orb770007 (Manual)**

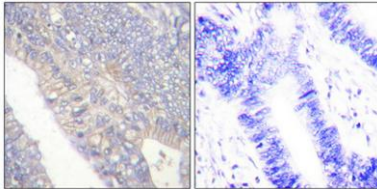
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<b>Product Name</b>	NBK (phospho Thr33) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human BIK around the phosphorylation site of Thr33. AA range:18-67
<b>Specificity</b>	Phospho-NBK (T33) Polyclonal Antibody detects endogenous levels of NBK protein only when phosphorylated at T33.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Bcl-2-interacting killer
<b>Gene Name</b>	BIK
<b>Cellular localization</b>	Endomembrane system; Single-pass membrane protein. Mitochondrion membrane ; Single-pass membrane protein . Around the nuclear envelope, and in cytoplasmic membranes.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

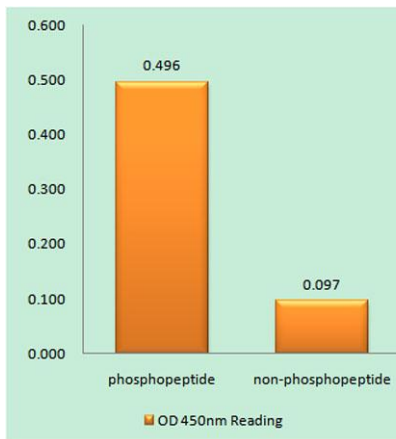
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	30kD
<b>Human Gene ID</b>	638
<b>Human Swiss-Prot Number</b>	Q13323
<b>Alternative Names</b>	BIK; NBK; Bcl-2-interacting killer; Apoptosis inducer NBK; BIP1; BP4

## Background

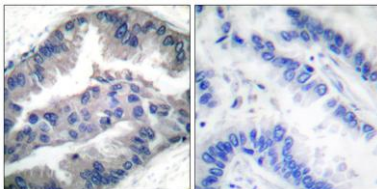
The protein encoded by this gene shares a critical BH3 domain with other death-promoting proteins, such as BID, BAK, BAD and BAX, that is required for its pro-apoptotic activity, and for interaction with anti-apoptotic members of the BCL2 family, and viral survival-promoting proteins. Since the activity of this protein is suppressed in the presence of survival-promoting proteins, it is suggested as a likely target for anti-apoptotic proteins. [provided by RefSeq, Sep 2011],



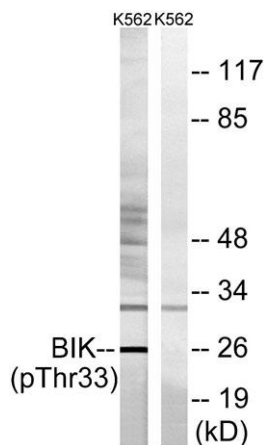
**Immunohistochemical analysis of paraffin-embedded Human colon cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.**



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using BIK (Phospho-Thr33) Antibody**



**Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using BIK (Phospho-Thr33) Antibody. The picture on the right is blocked with the phospho peptide.**



**Western blot analysis of lysates from K562 cells, using BIK (Phospho-Thr33) Antibody. The lane on the right is blocked with the phospho peptide.**