

Product datasheet for **AP06031PU-M**

BIK Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin sections: 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to the N-terminal of Human BIK.
Specificity:	The antibody detects endogenous levels of BIK protein (region surrounding Met27).
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE).
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~23 kDa
Gene Name:	BCL2 interacting killer
Database Link:	Entrez Gene 638 Human Q13323



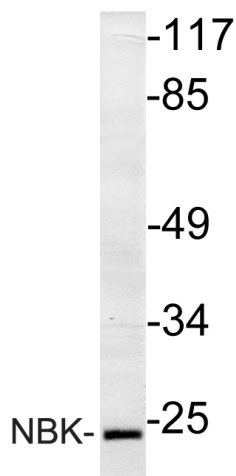
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Background:

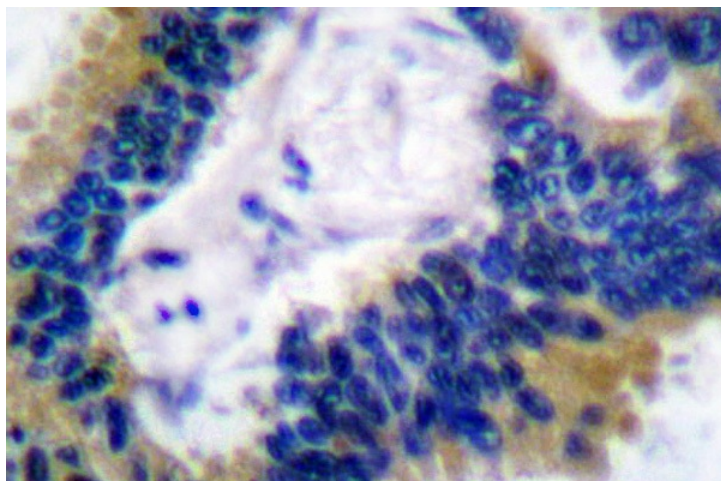
Bik/Nbk (Bcl-2-interacting killer/natural born killer) is a potent pro-apoptotic protein belonging to a group of Bcl-2 family members that includes Bad, Bid, Bim, Hrk, and Noxa, containing a BH3 domain but lacking other conserved domains, BH1 or BH2. Functionally, Bik is able to bind to and antagonize anti-apoptotic Bcl-2 family members including Bcl-2, Bcl-xL, and viral homologs E1B-19K and EBV-BHFR1. The BH3 domain of Bik is essential for its apoptotic activity and interaction with survival proteins. Phosphorylation of Bik is correlated with an increase in its pro-apoptotic activity.

Synonyms:

Bcl-2-interacting killer, NBK, BP4, BIP1

Product images:


Western blot (WB) analysis of BIK antibody in extracts from A549 cell treated with DMSO 0.1% 10'.



Immunohistochemical analysis in paraffin-embedded human lung carcinoma tissue using BIK antibody.