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## Bik Antibody

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 20	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #Q13323	<b>Entrez-Gene Id:</b> 638
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<b>Product Usage Information</b>	<b>Application</b> Western Blotting	<b>Dilution</b> 1:1000
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
<b>Specificity/Sensitivity</b>	Bik Antibody detects endogenous levels of Bik protein. It does not cross-react with other Bcl-2 family members.	
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with synthetic peptide corresponding to residues surrounding Asp40 of human Bik protein. Antibodies are purified by protein A and peptide affinity chromatography.	
<b>Background</b>	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 (1,2). 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 (3). Phosphorylation of Bik is correlated with an increase in its pro-apoptotic activity (4).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>1. Boyd, J.M. et al. (1995) <i>Oncogene</i> 11, 1921-8.</li> <li>2. Han, J. et al. (1996) <i>Mol Cell Biol</i> 16, 5857-64.</li> <li>3. Tong, Y. et al. (2001) <i>Mol Cancer Ther</i> 1, 95-102.</li> <li>4. Verma, S. et al. (2001) <i>J Biol Chem</i> 276, 4671-6.</li> </ol>	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	<b>IMPORTANT:</b> For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>W:</b> Western Blotting
<b>Cross-Reactivity Key</b>	<b>H:</b> Human
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