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## Bcl-xL (54H6) Rabbit mAb (APC Conjugate)

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

<b>Applications:</b> FC-FP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q07817	<b>Entrez-Gene Id:</b> 598
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<b>Product Usage Information</b>	<b>Application</b> Flow Cytometry (Fixed/Permeabilized)	<b>Dilution</b> 1:50
<b>Storage</b>	Supplied in PBS (pH 7.2), less than 0.1% sodium azide, and 2 mg/mL BSA. Store at 4°C. Do not aliquot the antibodies. Protect from light. Do not freeze.	
<b>Specificity/Sensitivity</b>	Bcl-xL (54H6) Rabbit mAb (APC Conjugate) detects endogenous levels of total Bcl-xL protein. The antibody does not cross-react with other Bcl-2 family members.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp61 of human Bcl-xL.	
<b>Description</b>	This Cell Signaling Technology antibody is conjugated to allophycocyanin (APC) and tested in-house for direct flow cytometric analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Bcl-xL (54H6) Rabbit mAb #2764.	
<b>Background</b>	Bcl-xL prevents apoptosis through two different mechanisms: heterodimerization with an apoptotic protein inhibits its apoptotic effect (1,2) and formation of mitochondrial outer membrane pores help maintain a normal membrane state under stressful conditions (3). Bcl-xL is phosphorylated by JNK following treatment with microtubule-damaging agents, such as paclitaxel, vinblastine, and nocodazole (4,5).	
<b>Background References</b>	<ol style="list-style-type: none"> <li>Adams, J.M. and Cory, S. (1998) <i>Science</i> 281, 1322-6.</li> <li>Minn, A.J. et al. (1999) <i>EMBO J</i> 18, 632-43.</li> <li>Vander Heiden, M.G. et al. (2001) <i>J Biol Chem</i> 276, 19414-9.</li> <li>Fan, M. et al. (2000) <i>J Biol Chem</i> 275, 29980-5.</li> <li>Poruchynsky, M.S. et al. (1998) <i>Cancer Res</i> 58, 3331-8.</li> </ol>	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Applications Key</b>	<b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)
<b>Cross-Reactivity Key</b>	<b>H:</b> Human <b>M:</b> Mouse <b>R:</b> Rat <b>Mk:</b> Monkey
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