



Catalog Number:	RA19056	Host:	Rabbit
Product Type:	Affinity Purified Antibody	Species	Mouse
Immunogen Sequence:	Reacts with a 17 residue sequence [EQHLESPVPSAPGALAG] found in the exon-3-encoded region in the human PUMA-alpha and PUMA-beta forms of the protein. Recognizes both forms of the protein.	Reactivity:	
Applications:	Western Blot: 1:500-1:1000 Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.	Format:	Liquid. 100 ug in 100 ul (1 mg/ml) in PBS containing 0.02% sodium azide.
S.torage:	Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. <i>Avoid repeated freeze-thaw cycles.</i>		
References:	Nakano K., and Vousden K.H. Mol Cell 2001 Mar;7(3):683-94.		

Application Notes

Description/Data:

A novel gene PUMA (p53 upregulated modulator of apoptosis) is a target for activation by the p53 tumor-suppressor gene. p53 functions as a transcriptional activator, and influences p53-inducible genes that play a role in the induction of apoptosis in response to p53. Antisense inhibition of PUMA expression reduced the apoptotic response to p53, and PUMA is likely to play a role in mediating p53-induced cell death through the cytochrome c/Apaf-1-dependent pathway.

In human and mouse, PUMA/bbc3 is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53.

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