

## Product datasheet for **TA306108**

### **Bcl2 Binding component 3 (BBC3) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 2 ug/mL, IF: 2 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PUMA antibody was raised against a synthetic peptide corresponding to 14 amino acids near the carboxy terminus of human PUMA-a (GenBank Accession number Q9BXH1) This sequence is identical between a and b forms of the PUMA proteins.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	BCL2 binding component 3
Database Link:	<a href="#">NP_055232</a> <a href="#">Entrez Gene 27113 Human</a> <a href="#">Q96PG8</a>



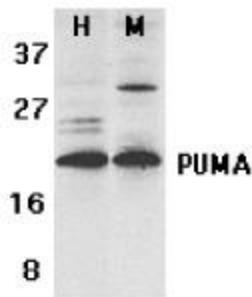
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**Background:**

Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse (1-3). PUMA/bbc3 is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53. The PUMA gene encodes two BH3 domain-containing proteins termed PUMA-alpha and PUMA-beta (1). PUMA proteins bind Bcl-2, localize to the mitochondria, and induce cytochrome c release and apoptosis in response to p53. PUMA may be a direct mediator of p53-induced apoptosis.

**Synonyms:**

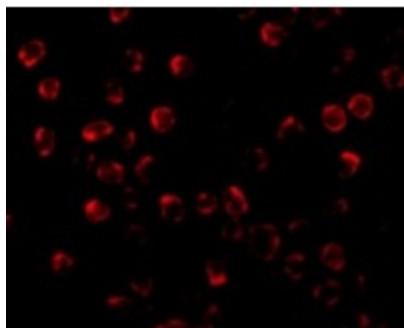
JFY-1; JFY1; PUMA

**Product images:**

Western blot analysis of PUMA expression in human (H) K562 and mouse (M) 3T3 cell lysates with PUMA antibody at 2 ug/ml



Immunocytochemistry of PUMA in K562 cells with PUMA antibody at 1 ug/mL.



Immunofluorescence of PUMA in K562 cells with PUMA antibody at 2 ug/mL.