

**PUMA/bbc3 Antibody**  
**Purified Rabbit Polyclonal Antibody**  
**Catalog # ABV11527****Specification**

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**PUMA/bbc3 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9BXH1</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20532

**PUMA/bbc3 Antibody - Additional Information****Gene ID** 27113**Other Names**

PUMA/JFY1 , JFY-1, PUMA, BBC3, bcl-2 binding component 3

**Target/Specificity**

PUMA

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti-PUMA polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Background Descriptions****Precautions**

PUMA/bbc3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**PUMA/bbc3 Antibody - Protein Information****Name** BBC3**Synonyms** PUMA**Function**

Essential mediator of p53/TP53-dependent and p53/TP53- independent apoptosis (PubMed:&lt;a href="http://www.uniprot.org/citations/11463391" target="\_blank"&gt;11463391&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/23340338" target="\_blank"&gt;23340338&lt;/a&gt;). Promotes

partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53, releasing the bound p53/TP53 to induce apoptosis (PubMed:<a href="http://www.uniprot.org/citations/23340338" target="\_blank">23340338</a>). Regulates ER stress-induced neuronal apoptosis (By similarity).

**Cellular Location**

Mitochondrion Note=Localized to the mitochondria in order to induce cytochrome c release

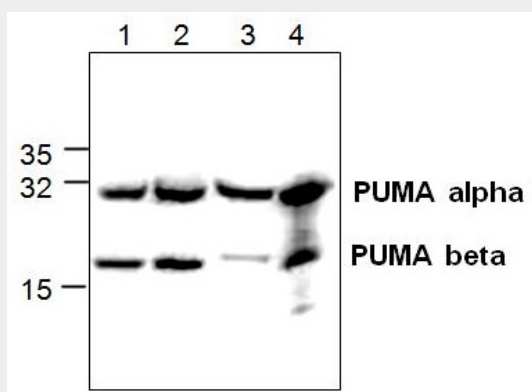
**Tissue Location**

Ubiquitously expressed.

**PUMA/bbc3 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PUMA/bbc3 Antibody - Images**

Western blot analysis of PUMA in Lysates from Jurkat cells(Lane1&2), 3T3 cells(Lane3) and rat kidney(Lane4).

**PUMA/bbc3 Antibody - Background**

PUMA (p53 upregulated modulator of apoptosis) is one of the pro-apoptotic Bcl-2 family members which are also transcriptional targets of p53. PUMA gene encodes two BH3 domain-containing proteins termed PUMA- $\alpha$  and PUMA- $\beta$ . 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.