

**PUMA Antibody**  
Rabbit mAb  
Catalog # AP90463

## Specification

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### PUMA Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	<a href="#">Q9BXH1</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
BBC3; bcl2 binding component 3; jfy1; puma; p53 up-regulated modulator of apoptosis; PUMA alpha;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	20532 Da

### PUMA Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human PUMA</b>
Description	<b>Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Functions by promoting partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53. Regulates ER stress-induced neuronal apoptosis.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### PUMA Antibody - Protein Information

**Name** BBC3

**Synonyms** PUMA

#### Function

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

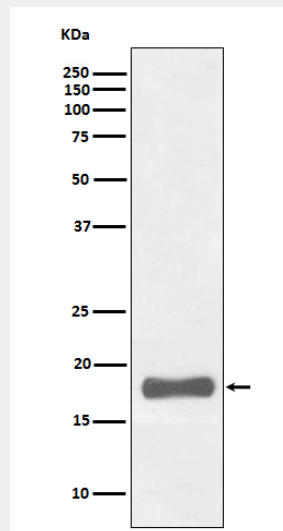
Ubiquitously expressed.

### PUMA 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 Antibody - Images



Western blot analysis of PUMA expression in K562 cell lysate.