

Datasheet for ABIN500557  
**anti-PUMA antibody (C-Term)**



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3 Images

## Overview

Quantity:	0.1 mg
Target:	PUMA (BBC3)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUMA antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Synthetic peptide corresponding to 14 amino acids near the carboxy terminus of Human PUMA alpha. .Remarks: The sequence is identical between alpha and beta forms of the PUMA proteins.
Isotype:	IgG
Specificity:	This antibody detects PUMA at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse.
Purification:	Peptide Affinity Chromatography

## Target Details

Target:	PUMA (BBC3)
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## Target Details

Alternative Name:	PUMA ( <a href="#">BBC3 Products</a> )
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: BBC3, Bcl-2-binding component 3, JFY-1, p53 up-regulated modulator of apoptosis
Molecular Weight:	23 kDa
Gene ID:	27113
NCBI Accession:	<a href="#">NP_055232</a>
UniProt:	<a href="#">Q9BXH1</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. K562 or 3T3 cell lysate can be used as a positive control and a band at approximately 23 kDa can be detected. A lower band at approximately 16 kDa was detected in MOLT4 and U937 cells, which may represent the PUMA-b form.  Immunocytochemistry.  Other applications not tested.  Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

## Handling

Buffer:	PBS, 0.02 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

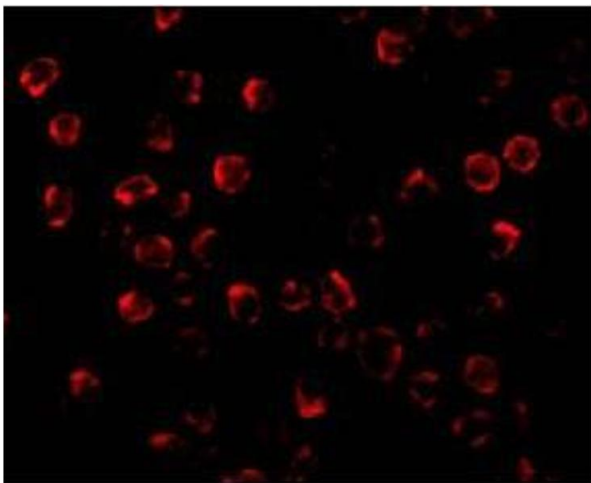
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Images



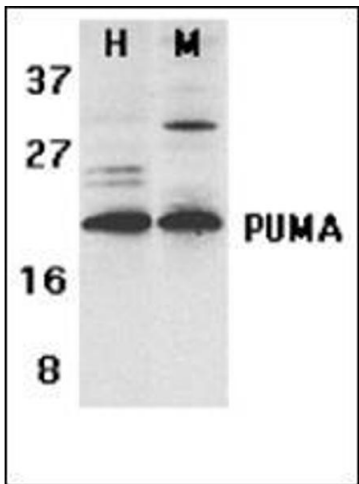
### Immunofluorescence

**Image 1.** Immunocytochemistry of PUMA in K562 cells with this product at 1 µg/ml.



### Immunofluorescence

**Image 2.** Immunofluorescence of PUMA in K562 cells with this product at 2 µg/ml.



### Western Blotting

**Image 3.** Western blot analysis of PUMA expression in human (H) K562 and mouse (M) 3T3 cell lysates with this product at 2 µg/ml