

# PUMA Polyclonal Antibody

Catalog # AP72090

## Product Information

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

## Additional Information

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<b>Gene ID</b>	27113
<b>Other Names</b>	BBC3; PUMA; Bcl-2-binding component 3; JFY-1; p53 up-regulated modulator of apoptosis
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	BBC3
<b>Synonyms</b>	PUMA
<b>Function</b>	Essential mediator of p53/TP53-dependent and p53/TP53- independent apoptosis (PubMed: <a href="#">11463391</a> , PubMed: <a href="#">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="#">23340338</a> ). Regulates ER stress-induced neuronal apoptosis (By similarity).
<b>Cellular Location</b>	Mitochondrion Note=Localized to the mitochondria in order to induce cytochrome c release
<b>Tissue Location</b>	Ubiquitously expressed.

## Background

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Essential mediator of p53/TP53-dependent and p53/TP53- independent apoptosis (PubMed: [11463391](#)).

Functions by promoting partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53. Regulates ER stress-induced neuronal apoptosis (PubMed:[23340338](#)).

## Images

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Western Blot analysis of various cells using PUMA Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.