

# PUMA Rabbit mAb

Catalog # AP75977

## Product Information

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<b>Application</b>	WB, IHC-P, FC
<b>Primary Accession</b>	<a href="#">Q9BXH1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	20532

## Additional Information

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<b>Gene ID</b>	27113
<b>Other Names</b>	BBC3
<b>Dilution</b>	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:20-1:100
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

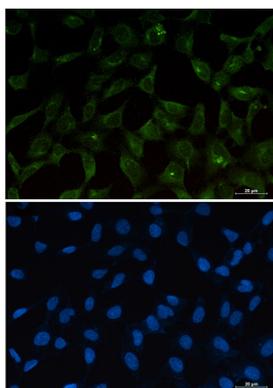
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<b>Name</b>	BBC3
<b>Synonyms</b>	PUMA
<b>Function</b>	Essential mediator of p53/TP53-dependent and p53/TP53- independent apoptosis (PubMed: <a href="#">11463391</a> , PubMed: <a href="#">23340338</a> ). Promotes partial unfolding of BCL2L1 and dissociation 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.

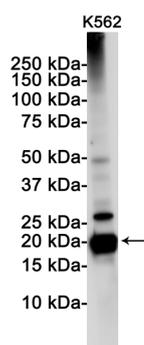
## Background

This gene encodes a member of the BCL-2 family of proteins. This family member belongs to the BH3-only pro-apoptotic subclass. The protein cooperates with direct activator proteins to induce mitochondrial outer membrane permeabilization and apoptosis. It can bind to anti-apoptotic Bcl-2 family members to induce mitochondrial dysfunction and caspase activation. Because of its pro-apoptotic role, this gene is a potential drug target for cancer therapy and for tissue injury. Alternative splicing results in multiple transcript variants.

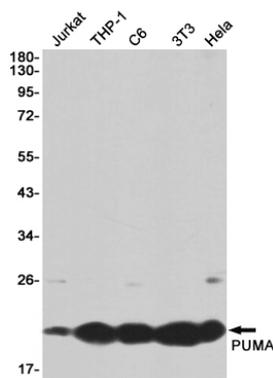
## Images



Immunocytochemistry analysis of PUMA (green) in 293T using PUMA antibody, and DAPI (blue).

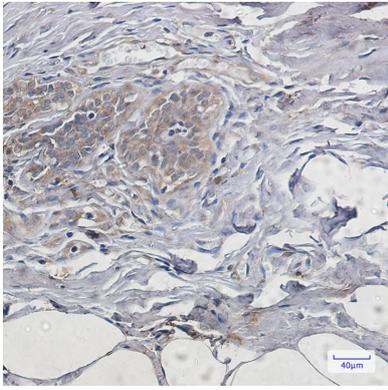


Western blot analysis of PUMA in K562 lysates using PUMA antibody.



Western blot analysis of PUMA in Jurkat, THP-1, C6, 3T3, HeLa lysates using PUMA antibody

Immunohistochemistry analysis of paraffin-embedded Human breast cancer using PUMA antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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