

## BBC3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14100c

### Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9BXH1</a>
<b>Other Accession</b>	<a href="#">NP_055232.1</a> , <a href="#">NP_001120714.1</a> , <a href="#">NP_001120713.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB33714
<b>Calculated MW</b>	20532
<b>Antigen Region</b>	109-137

### Additional Information

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<b>Gene ID</b>	27113
<b>Other Names</b>	Bcl-2-binding component 3, JFY-1, p53 up-regulated modulator of apoptosis, BBC3, PUMA
<b>Target/Specificity</b>	This BBC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-137 amino acids from the Central region of human BBC3.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	BBC3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### 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:[11463391](#), PubMed:[23340338](#)). Promotes partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53, releasing the bound p53/TP53 to induce apoptosis (PubMed:[23340338](#)). 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.

## Background

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BBC3 is an essential mediator of p53-dependent and p53-independent apoptosis.

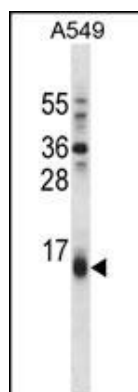
## References

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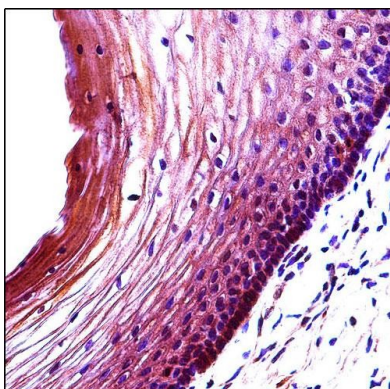
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## Images

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BBC3 Antibody (Center) (Cat. #AP14100c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the BBC3 antibody detected the BBC3 protein (arrow).



BBC3 Antibody (Center) (Cat. #AP14100c) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of BBC3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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