

PUMA/bbc3 Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11527

Specification

PUMA/bbc3 Antibody - Product Information

Application	WB
Primary Accession	Q9BXH1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20532

PUMA/bbc3 Antibody - Additional Information

Gene ID 27113

Other Names

PUMA/JFY1 , JFY-1, PUMA, BBC3, bcl-2 binding component 3

Target/Specificity

PUMA

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-PUMA polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions

Precautions

PUMA/bbc3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PUMA/bbc3 Antibody - Protein Information

Name BBC3

Synonyms PUMA

Function

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.

PUMA/bbc3 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/bbc3 Antibody - Images

Western blot analysis of PUMA in Lysates from Jurkat cells(Lane1&2), 3T3 cells(Lane3) and rat kidney(Lane4).

PUMA/bbc3 Antibody - Background

PUMA (p53 upregulated modulator of apoptosis) is one of the pro-apoptotic Bcl-2 family members which are also transcriptional targets of p53. PUMA gene encodes two BH3 domain-containing proteins termed PUMA- α and PUMA- β . 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.