



# PUMA Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-00503
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB IF;ELISA
<b>Gene Name</b>	BBC3
<b>Protein Name</b>	Bcl-2-binding component 3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PUMA. AA range:120-169
<b>Specificity</b>	PUMA Polyclonal Antibody detects endogenous levels of PUMA protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 IF 1:100-300 ELISA 1:5000-20000 Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	BBC3; PUMA; Bcl-2-binding component 3; JFY-1; p53 up-regulated modulator of apoptosis
<b>Observed Band</b>	23kD
<b>Cell Pathway</b>	Mitochondrion . Localized to the mitochondria in order to induce cytochrome c release.
<b>Tissue Specificity</b>	Ubiquitously expressed.
<b>Function</b>	function:Essential mediator of p53-dependent and p53-independent apoptosis.,induction:By DNA damage, glucocorticoid treatment, growth factor deprivation and p53.,similarity:Belongs to the Bcl-2 family.,subcellular location:Localized to the mitochondria in order to induce cytochrome c release.,subunit:Interacts with MCL1 and BCL2A1 (By similarity). Interacts with BCL2 and BCL2L1/BCL-XL.,tissue specificity:Ubiquitously expressed.,
<b>Background</b>	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. [provided by



RefSeq, Dec 2011],

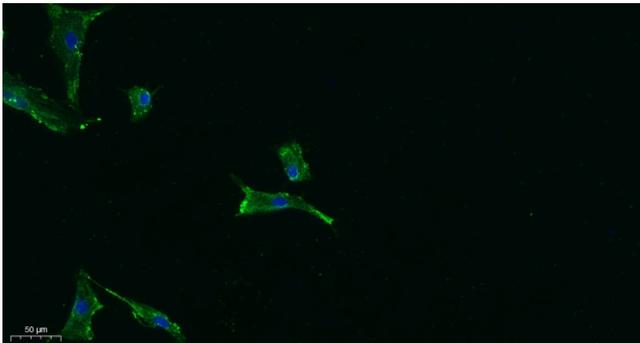
**matters needing attention**

Avoid repeated freezing and thawing!

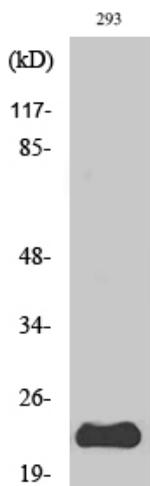
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Western Blot analysis of various cells using PUMA Polyclonal Antibody



Western blot analysis of lysate from 293 cells treated with EGF, using PUMA antibody.