



PUMA Polyclonal Antibody

Catalog No	YP-Ab-00503
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB IF;ELISA
Gene Name	BBC3
Immunogen	The antiserum was produced against synthesized peptide derived from human PUMA. AA range:120-169
Specificity	PUMA Polyclonal Antibody detects endogenous levels of PUMA protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 IF 1:100-300 ELISA 1:5000-20000 Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BBC3;BBC 3;Bcl-2-binding component 3;isoforms 1/2;JFY 1;JFY1;PUMA;JFY-1; p53 up-regulated modulator of apoptosis
Observed Band	23kD
Calculated Molecular Weight	23kD
Cell Pathway	Mitochondrion . Localized to the mitochondria in order to induce cytochrome c release.
Tissue Specificity	Ubiquitously expressed.
Function	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.,
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. [provided by RefSeq, Dec 2011],

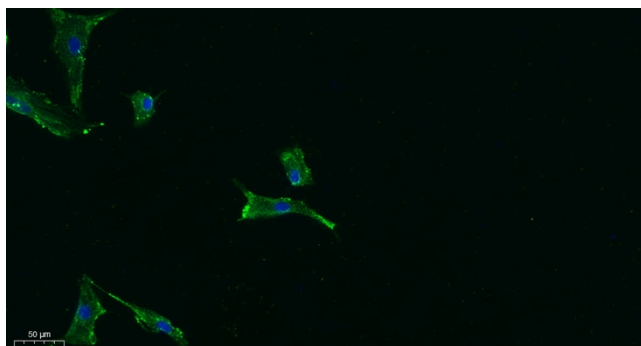
matters needing attention

Avoid repeated freezing and thawing!

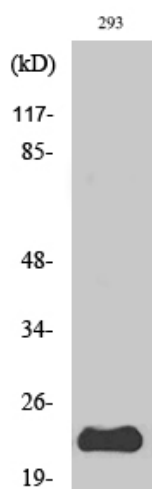
Usage suggestions

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.