

## PUMA Polyclonal Antibody

<b>Catalog No :</b>	YT3907
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB IF;ELISA
<b>Target :</b>	PUMA
<b>Fields :</b>	>>Platinum drug resistance;>>p53 signaling pathway;>>Apoptosis;>>Apoptosis - multiple species;>>Hippo signaling pathway;>>Huntington disease;>>Measles;>>Pathways in cancer;>>Colorectal cancer
<b>Gene Name :</b>	BBC3
<b>Protein Name :</b>	Bcl-2-binding component 3
<b>Human Gene Id :</b>	27113
<b>Human Swiss Prot No :</b>	Q9BXH1
<b>Mouse Gene Id :</b>	170770
<b>Mouse Swiss Prot No :</b>	Q99ML1
<b>Rat Gene Id :</b>	317673
<b>Rat Swiss Prot No :</b>	Q80ZG6
<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>Dilution :</b>	WB 1:500-2000 IF 1:100-300 ELISA 1:5000-20000 Not yet tested in other

applications.

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**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 23kD

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**Cell Pathway :** p53;Huntington's disease;

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**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],

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**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.,

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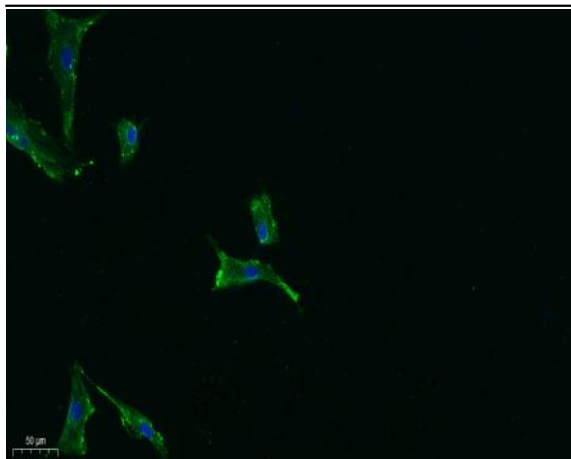
**Subcellular Location :** Mitochondrion . Localized to the mitochondria in order to induce cytochrome c release.

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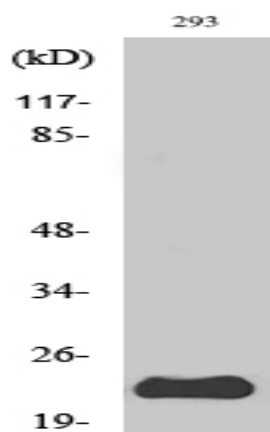
**Expression :** Ubiquitously expressed.

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## 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.