

## PUMA Antibody

Catalog No: #24175

Orders: order@signalwayantibody.com

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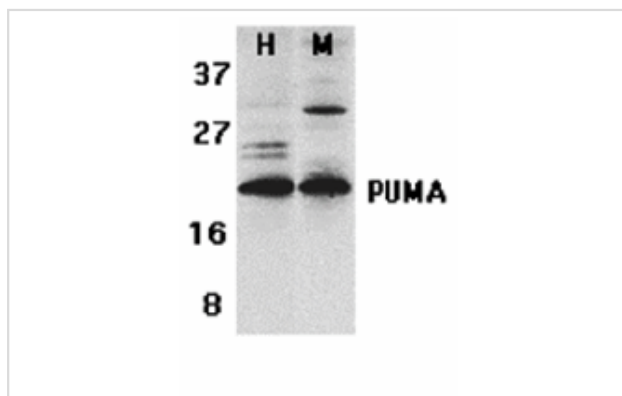
## Description

Product Name	PUMA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC IF
Species Reactivity	Hu Ms
Specificity	A lower band at approximately 16 kDa was detected in MOLT4 and U937 cells, which may represent the PUMA-b form.
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 14 amino acids near the carboxy terminus of human PUMA-a. This sequence is identical between a and b forms of the PUMA proteins.
Target Name	PUMA
Other Names	bbc3
Accession No.	Swiss-Prot:Q96PG8Gene ID:27113
Uniprot	Q96PG8
GeneID	27113;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

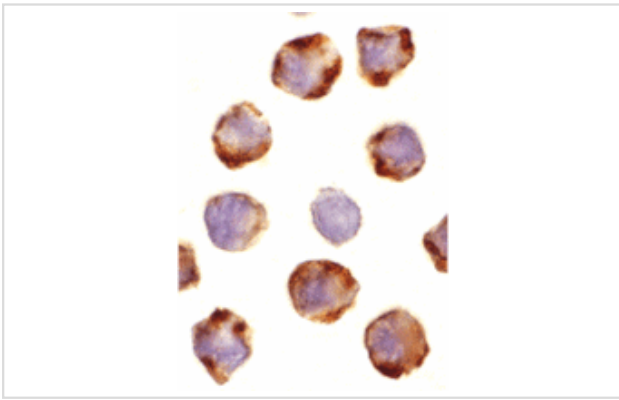
## Application Details

Predicted MW: 23 kd

## Images



Western blot analysis of PUMA expression in human (H) K562 and mouse (M) 3T3 cell lysates with PUMA antibody at 2 ug/ml



Immunocytochemistry of PUMA in K562 cells with PUMA antibody at 1 ug/ml.

## Background

Apoptosis is related to many diseases and development. The p53 tumor-suppressor protein induces apoptosis through transcriptional activation of several genes. A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) and bbc3 (for Bcl-2 binding component 3) in human and mouse. PUMA/bbc3 is one of the pro-apoptotic Bcl-2 family members including Bax and Noxa, which are also transcriptional targets of p53. The PUMA gene encodes two BH3 domain-containing proteins termed PUMA-alpha and PUMA-beta. 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.

Note: This product is for in vitro research use only