PUMA Antibody

Catalog No: #24175

Orders: order@signalwayantibody.com
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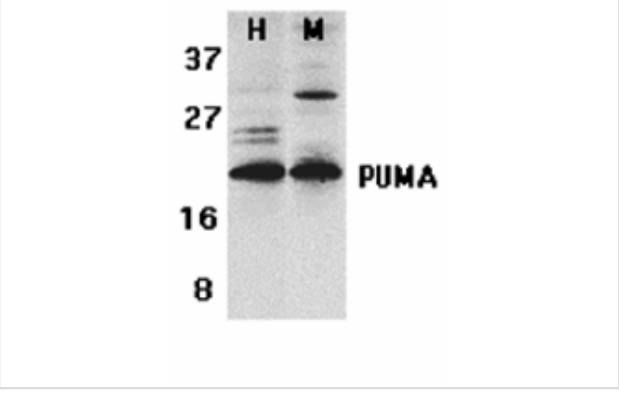
Description

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.

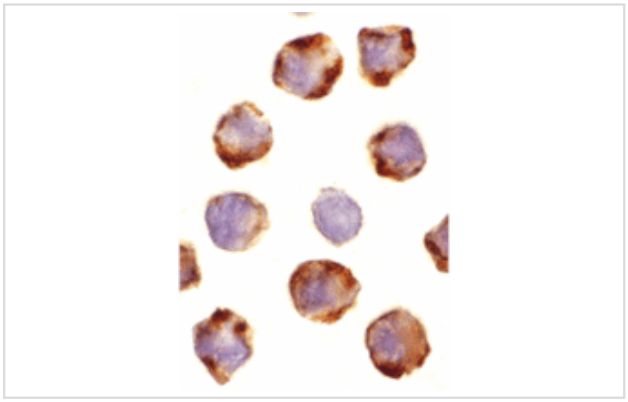
Application Details

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