PUMA Monoclonal Antibody

Catalog No: #26012

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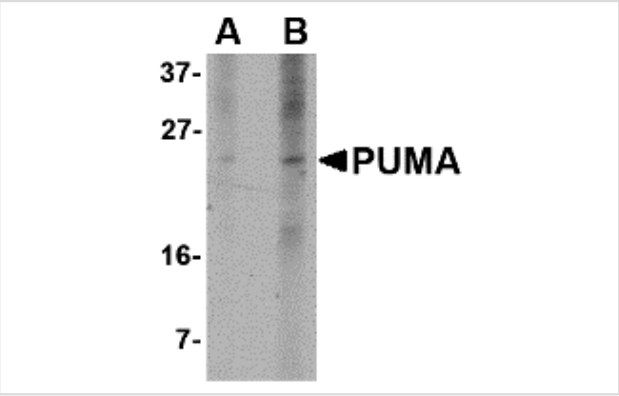
Description

Product Name	PUMA Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	mAb (Clone 10C5G1)
Purification	Immunoaffinity chromotography purified IgG
Applications	ELISA WB
Species Reactivity	Hu Rt
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein corresponding to amino acids 76 - 170 of human PUMA-alpha.
Target Name	PUMA
Other Names	PUMA (10C5G1), p53 upregulated modulator of apoptosis, bbc3, Bcl-2 binding component 3
Accession No.	Q9BXH1
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.

Images



Western blot analysis of PUMA expression in K562 cell lysate with PUMA antibody at (A) 2.5 and (B) 5 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 PUMAα and PUMAβ. 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