PUMA Monoclonal Antibody

Catalog No: #26010

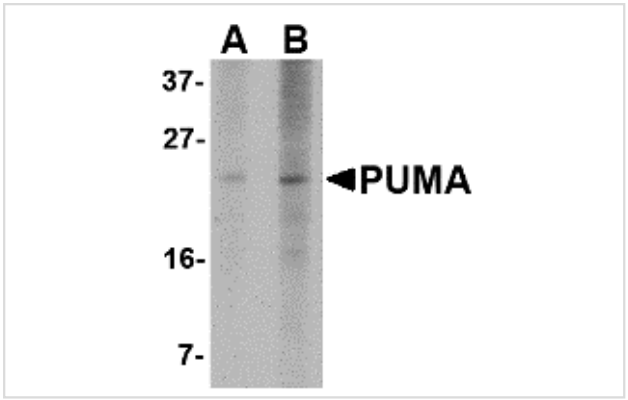
Package Size: #26010 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PUMA Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	mAb (Clone 2A8F6)
Purification	Immunoaffinity chromotography purified IgG
Applications	ELISA WB
Species Reactivity	Human;Rat
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein corresponding to amino acids 76 - 170 of human PUMA-alpha.
Conjugates	Unconjugated
Target Name	PUMA
Other Names	PUMA (2A8F6), p53 upregulated modulator of apoptosis, bbc3, Bcl-2 binding component 3
Accession No.	Q9BXH1
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.

Published Papers

Xiaoqi Xu el at., MAPK1 regulates platelet function and thrombus formation, Journal of Thrombosis and Haemostasis, (2025)

PMID:40447106

Note: This product is for in vitro research use only and is not intended for use in humans or animals.