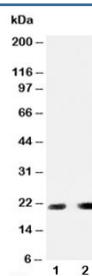


## PUMA Antibody (R30371)

Catalog No.	Formulation	Size
R30371	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9BXH1
Applications	Western Blot : 0.5-1ug/ml
Limitations	This PUMA antibody is available for research use only.



Western blot testing of PUMA antibody and Lane 1: HeLa; 2: rat kidney; Predicted molecular weight: 21/14/10/26kDa (isoforms alpha/beta/delta/gamma).

## Description

The p53 upregulated modulator of apoptosis, or PUMA, is a pro-apoptotic member of the Bcl-2 protein family. The PUMA gene is located at 19q. PUMA transcript is contained within 4 exons, with the presumptive initiation codon in exon 2. The predicted 193-amino acid PUMA protein shares 91% amino acid identity with the murine sequence. Bcl-2 family members can form hetero- or homodimers, and they act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The expression of PUMA is regulated by the tumor suppressor p53, and PUMA has been shown to be involved in p53-mediated apoptosis. Additionally, PUMA encodes 2 BH3 domain-containing proteins, PUMA-alpha and PUMA-beta, that are produced through the use of an alternative first exon and are induced in cells following p53

activation. Furthermore, PUMA couples the nuclear and cytoplasmic proapoptotic functions of p53.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PUMA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human PUMA (ADDLNAQYERRRQEE) was used as the immunogen for this PUMA antibody (100% homologous in human, mouse and rat). This sequence is common to isoforms alpha, beta, delta and gamma.

## Storage

After reconstitution, the PUMA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.