



PUMA (p53 Upregulated Modulator of Apoptosis, BCL2 Binding Component 3, BCL-2 Binding Component 3, BBC3, JFY1, JFY-1, p53 Up-regulated Modulator of Apoptosis, PUMA alpha, PUMA/JFY1)

Catalog number

P9198-02G

Supplier

United States Biological

A novel p53 inducible pro-apoptotic gene was identified recently and designated PUMA (for p53 upregulated modulator of apoptosis) in human and mouse. 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.

Positive Control

Jurkat or NIH 3T3 cell lysate

Applications

Suitable for use in Western Blot and Immunohistochemistry. Other applications not tested.

Recommended Dilution

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot Store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

This antibody was generated by immunizing rabbit with synthetic peptides of human PUMAa (CT).

Formulation

Supplied as a liquid in PBS, pH 7.2, 0.02% sodium azide.

Purity

Serum

Specificity

Recognizes PUMA a in WB and immunohistochemistry applications (Product citation 1). It is supplied at 0.5 mg/ml. Species Crossreactivity: Human, Mouse.

Product Type

Pab

**Source**

human

Isotype

IgG

Grade

Serum

Applications

IHC WB

Crossreactivity

Hu Mo

Storage

-20°C