



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

P9198-02A

Supplier

United States Biological

A novel gene PUMA (p53 upregulated modulator of apoptosis) is a target for activation by the p53 tumor-suppressor gene. p53 functions as a transcriptional activator, and influences p53-inducible genes that play a role in the induction of apoptosis in response to p53. Antisense inhibition of PUMA expression reduced the apoptotic response to p53, and PUMA is likely to play a role in mediating p53-induced cell death through the cytochrome c/Apaf-1-dependent pathway.

Cellular Localization

Mitochondrial

Applications

Suitable for use in Western Blot. 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

Reacts with a 17 residue sequence [EQHLESPVPSAPGALAG] found in the exon-3-encoded region in the human PUMA-alpha and PUMA-beta forms of the protein. Recognizes both forms of the protein. Homology: There is 88% homology to the rat and mouse protein.

Formulation

Supplied as a liquid in PBS, pH 7.2.

Purity

Purified by immunoaffinity chromatography.

Specificity

Human PUMA protein Species Crossreactivity: Human

Product Type



Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

WB

Crossreactivity

Hu

Storage

-20°C

Reference

1. Nakano K., and Vousden K.H. Mol Cell 2001 Mar;7(3):683-94.