



PRG3 (p53 Responsive Gene 3, Apoptosis Inducing Factor (AIF) Homologous Mitochondrion Associated Inducer of Death, AMID, Cys51Stop, HGNC11998, p53 Tumor Suppressor, Tumor Protein p53, TRP53)

Catalog number

P8930-02

Supplier

United States Biological

The p53 tumor suppressor protein induces cell cycle arrest or apoptosis in response to cellular stresses. PRG3 (p53-responsive gene 3), is induced specifically under p53-dependent apoptotic conditions in human colon cancer cells. PRG3 has significant homology to bacterial oxidoreductases and the apoptosis-inducing factor, AIF. Unlike AIF, PRG3 localizes in the cytoplasm and its ectopic expression induces apoptosis. The PRG3 gene is thus a novel p53 target gene in a p53-dependent apoptosis pathway.

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

A synthetic peptide made to residues 170-185 [VTLIHSQVALADKELL] of the 41kD human PRG3 protein. This sequence is 87% identical in mouse.

Formulation

As reported

Purity

Purified by immunoaffinity chromatography.

Specificity

This antibody is specific for human PRG3. Species Crossreactivity: Human. Other species have not been tested.

Product Type

Pab

**Source**

human

Isotype

IgG

Grade

Affinity Purified

Applications

WB

Crossreactivity

Hu

Storage

-20°C

Reference

1. Ohiro Y. et al. FEBS Lett. 2002 Jul 31;524(1-3):163-71.