

Anti-PARP Monoclonal Antibody
Mouse monoclonal to PARP

Catalog Number: PA-C116

Clone: 5H5

Price: 100 µl / 100 µg

Concentration: 1 mg/ml in PBS, pH 7.4

Storage: +4°C up to 6 months. If freezing is preferred, aliquot into smaller fractions for storage, do not refreeze.

Isotype: IgG1

Background:

PARP is a highly conserved nuclear enzyme present in higher eukaryotes. The enzyme is a Zn²⁺-dependent DNA binding protein that recognizes DNA strand breaks and is implicated in DNA repair and in apoptosis responses of cells. As a marker for apoptosis, it has been shown that PARP cleavage mediated by caspase-3 activity occurs at the onset of apoptosis, and inhibition of PARP cleavage attenuates apoptosis *in vitro*.

Immunogen:

Full length purified PARP.

Species Reactivity:

Reacts with human and mouse PARP not tested in other species. Recognize 116 kDa PARP and the 85 kDa apoptosis-related cleavage fragment.

Uses and Dilutions:

WB: Use at a concentration of 0.5 - 1 µg/ml (1/1,000 - 1/2,000 dilution). Detects a band of approximately 116 kDa. It also recognizes the 85 kDa apoptosis related cleavage fragment.

Immunohistochemistry: Use at a concentration of 0.5 - 2 µg/ml (1/500 - 1/2,000 dilution).

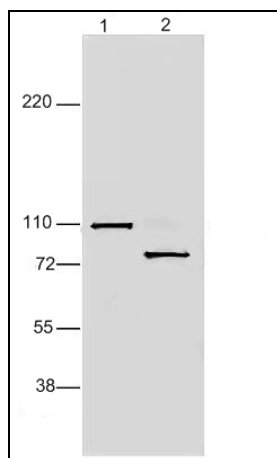
Immunofluorescence: Use at a concentration of 0.5 - 1 µg/ml (1/1,000 - 1/2,000 dilution).

Optimal dilutions/concentrations should be determined by the end user.

Limitations:

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Western blot with anti-PARP antibody



Western blot analysis of whole cell extracts from HL-60 lysates and HL-60 lysates induced to undergo apoptosis using etoposide. The membrane was probed anti-PARP (1:1,000 dilutions). The secondary antibody was anti-mouse IgG-HRP.