
Anti-PARP Purified


Catalog Number: 14-6666

Also Known As: Poly-ADP-Ribose-Polymerase-1

RUO: For Research Use Only

Product Information


Contents: Anti-PARP Purified

 Catalog Number: 14-6666


Clone: C2-10


Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The C2-10 antibody reacts with mouse and human PARP; the antibody was generated against bovine PARP (Poly-ADP-ribose Polymerase-1). PARP is a 116 kDa nuclear chromatin-associated enzyme that catalyzes the transfer of ADP-ribose units from NAD⁺ to nuclear proteins such as topoisomerases, histones, and PARP. Following DNA damage, catalytic activity of PARP is increased in nonapoptotic cells. It has been suggested that PARP plays an important role in mediating normal cellular response to DNA damage. PARP is also a target of the protease activity of caspases involved in apoptosis. C2-10 detects both the full-length (116 kDa) and the cleaved (85 kDa) forms of PARP.

Applications Reported

The C2-10 antibody can be used for the detection of mouse, human, rat, monkey, bovine and hamster PARP using immunoprecipitation, immunoblotting (WB), immunohisto(cyto)chemistry, and ELISA. C2-10 does not recognize chicken PARP.

Applications Tested

The recommended dilution for use in Western Blot is 1:10,000 along with the following detection method: Chemiluminescence (Renaissance from Dupont) with a second antibody (anti-mouse IgG) conjugated to peroxidase (Jackson Laboratories). The recommended dilution for use in immunoprecipitation is 1:100. C2-10 can be used for immunohisto(cyto)chemistry at a dilution of 1:1000-1:5000. C2-10 can be used for ELISA at a dilution of 1:1,000,000. It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

References

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Shah G.M. et al (1995) *Analytical Biochem.* 227: 1-13 (review).
Patel, T. et al. (1996) *FASEB* 10:587-597.
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Lamarre, D. et al. (1988) *Biochem. Biophys. Acta* 950:147-160.
Lamarre, D. et al. (1986) *Biochem. Cell Biol.* 64:368-376.
Tewari, M. et al. (1995) *Cell* 81:801-809.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified

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