

PARP Mouse mAb

Cat No: HR1AM2242

For research use only

Overview

| Product Name | PARP Mouse mAb |
|--------------------------|---|
| Source | Mouse |
| Applications | WB, IHC |
| Species Reactivity | Human |
| Recommended Dilutions | WB 1:1,000-3,000 IHC 1:200-500 |
| Immunogen | |
| Species | Mouse |
| Storage | PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Isotype | IgG1 |
| Clonality | Monoclonal |
| Concentration | 1mg/ml |
| Observed band | 116kDakDa |
| GeneID?Human? | 142 |
| Human Swiss-Prot No. | |
| Cellular localization | |
| Alternative Names | PARP-1, Poly(ADP ribose) polymerase 1, sPARP1,ADPRT1, ADP ribosyltransferase NAD(+) |
| Background | Poly [ADP-ribose] polymerase 1 (PARP-1) also known as NAD+ ADP-ribosyltransferase 1 or poly[ADP-ribose] synthase 1 is an enzyme that in humans is encoded by the PARP1 gene. PARP1 has a role in repair of single-stranded DNA (ssDNA) breaks. Knocking down intracellular PARP1 levels with siRNA or inhibiting PARP1 activity with small molecules reduces repair of ssDNA breaks. In the absence of PARP1, when these breaks are encountered during DNA replication, the replication fork stalls, and double-strand DNA (dsDNA) breaks accumulate. |