

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	116kDa
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.