

Cleaved PARP Mouse Monoclonal Antibody(M4)

Catalog No: RA10398

Basic Information

Host species	Mouse
Applications	WB, IHC
Species Cross-Reactivity	H
Specificity	Antibody can detects endogenous pro and active PARP protein.
Recommended dilutions	WB: 1:1,000-3,000 IHC: 1:200-500 Optimal dilutions should be determined by the end user.

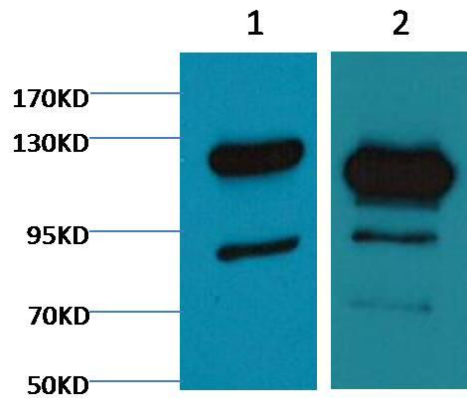
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

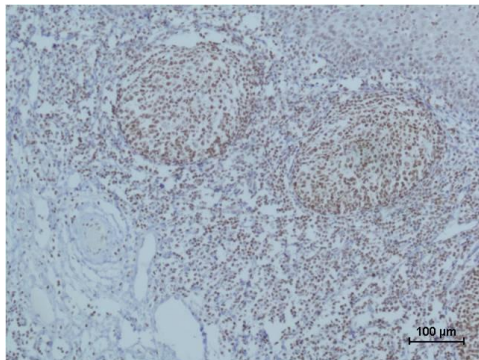
Background

Alternative Names	PARP-1, Poly(ADP ribose) polymerase 1, sPARP1,ADPRT1, ADP ribosyltransferase NAD(+)
Observed band	116,89
Human Gene ID	142
Human Swiss-Prot Number	P09874
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.

Selected Validation Data



Western blot analysis of 1) Jurkat ,2) HeLa, with Cleaved PARP Mouse mAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded human Tonsil Tissue using Cleaved PARP Mouse mAb diluted at 1:500.