

PARP Mouse Monoclonal Antibody

Catalog No: #38067

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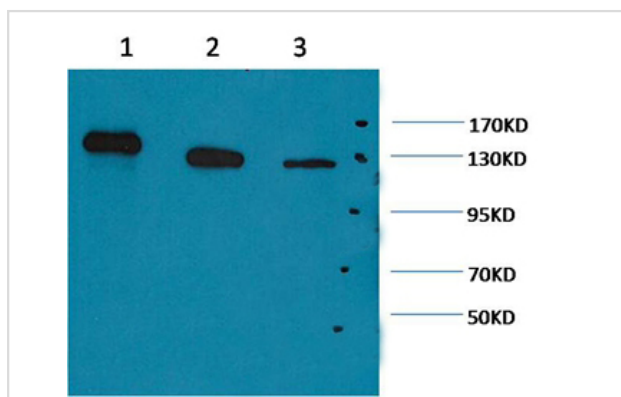
Description

Product Name	PARP Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	Antibody detects endogenous PARP protein.
Target Name	PARP
Other Names	COBA2; COL11A2; Collagen alpha-2(XI) chain; collagen, type XI, alpha 2; DFNA13
Accession No.	Swiss-Prot#:P13942
SDS-PAGE MW	116kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:1000~1:3000

Images



Western blot analysis of 1) HeLa, 2) 293T, 3) Jurkat, using #38067 diluted at 1:2,000.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.