

Datasheet for ABIN1724733
anti-PARP1 antibody



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PARP1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PARP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	PARP Antibody
Immunogen:	Synthetic peptide of human PARP, conjugated to KLH.
Clone:	7A10
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	PARP1
Alternative Name:	PARP (PARP1 Products)
Background:	Description: This gene encodes a chromatin-associated enzyme, poly(ADP-ribose)transferase, which modifies various nuclear proteins by poly(ADP-ribose)ation. The modification is

Target Details

dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes.

Aliases: PARP, PPOL, ADPRT, ADPRT1, PARP-1, pADPRT-1, PARP1

Molecular Weight: 117kDa

Gene ID: 142

HGNC: 142

UniProt: [P09874](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

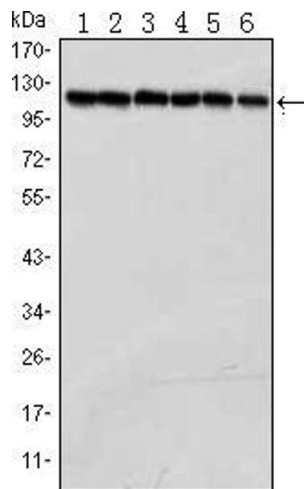
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

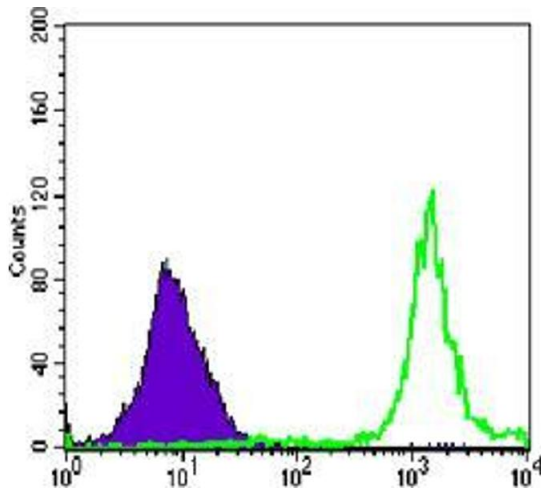
Publications

Product cited in: Hassa, Covic, Hasan, Imhof, Hottiger: "The enzymatic and DNA binding activity of PARP-1 are not required for NF-kappa B coactivator function." in: **The Journal of biological chemistry**, Vol. 276, Issue 49, pp. 45588-97, (2001) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using PARP mouse mAb against Jurkat (1), K562 (2), HeLa (3), Raji (4), THP-1 (5) and SW620 (6) cell lysate.



Flow Cytometry

Image 2. Flow cytometric analysis of Jurkat cells using anti-PARP mAb (green) and negative control (purple).