

PARP1 Antibody

Catalog No: #31288

Package Size: #31288-1 50ul #31288-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	PARP1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PARP1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 12-21 amino acids of human poly (ADP-ribose) polymerase 1
Target Name	PARP1
Other Names	poly (ADP-ribose) polymerase 1, PARP, PPOL, ADPRT, ARTD1, ADPRT1, PARP-1, ADPRT 1, pADPRT-1
Accession No.	Genbank No.: NP_001609.2
Formulation	Supplied at 0.7mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

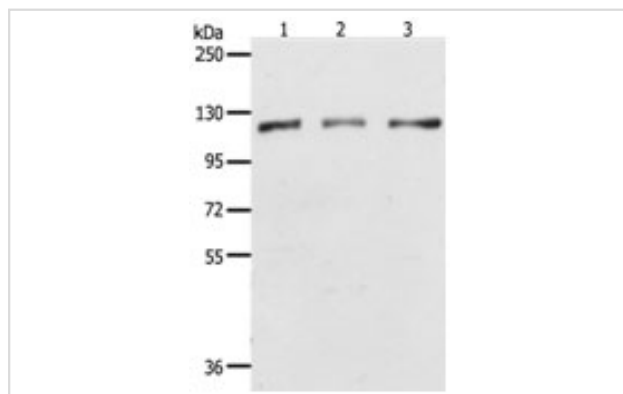
Predicted MW: 113kd

ELISA: 1:2000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 8%SDS-PAGE

Lane1: HeLa cell lysate

Lane2: K562 cell lysate

Lane3: Jurkat cell lysate

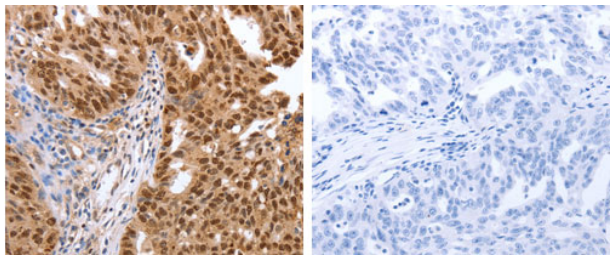
Lysates: 40 ug per lane

Primary antibody: 1/350 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at

1/10000 dilution

Exposure time: 1 second



The image on the left is immunohistochemistry of paraffin-embedded human ovarian cancer tissue using 31288 (PARP1 Antibody) at dilution 1/40, on the right is treated with the synthetic peptide.

Background

This gene encodes a chromatin-associated enzyme, poly(ADP-ribose)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is 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.

Published Papers

el at., Quercetin induces apoptosis via the mitochondrial pathway in KB and KBv200 cells. In J Agric Food Chem on 2013 Mar 6 by Zhang JY, Yi T, et al.. PMID:23410218, , (2013)

[PMID:23410218](#)

el at., Targeting p53 via JNK pathway: a novel role of RITA for apoptotic signaling in multiple myeloma. In PLoS One on 2012 by Manujendra N Saha, Hua Jiang, et al.. PMID: 22276160, , (2012)

[PMID:22276160](#)

el at., Apoptosis sensitization by Euphorbia factor L1 in ABCB1-mediated multidrug resistant K562/ADR cells. In Molecules on 2013 Oct 16 by Tao Yi, Yi-Na Tang, et al.. PMID: 24135937, , (2013)

[PMID:24135937](#)

el at., miR-137 and miR-197 induce apoptosis and suppress tumorigenicity by targeting MCL-1 in multiple myeloma. In Clin Cancer Res on 2015 May 15 by Yijun Yang, Fei Li et al.. PMID:25724519, , (2015)

[PMID:25724519](#)

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