

# Product Datasheet

## PARP Antibody (3G4) H00000142-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00000142-M01**

PARP Antibody (3G4)

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3G4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	142
<b>Gene Symbol</b>	PARP1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	PARP1 - poly (ADP-ribose) polymerase family, member 1
<b>Immunogen</b>	PARP1 (AAH37545, 1 a.a. - 100 a.a.) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAESSDKLYRVEYAKSGRASCKKCESEIPKDSLRLMIMVQSPMFDGKVPHWY HFSCFWKVGHSIRHPDVEVDGFSELRWDDQQKVKKTAEAGGVTGKGQD
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.



## Publications

Faraoni I, Aloisio F, De Gabrieli A et al. The poly(ADP-ribose) polymerase inhibitor olaparib induces up-regulation of death receptors in primary acute myeloid leukemia blasts by NF- $\kappa$ B activation. *Cancer Lett* 2018-03-08 [PMID: 29526802]

Crawford NP, Yang H, Mattaini KR et al. The Metastasis Efficiency Modifier Ribosomal RNA Processing 1 Homolog B (RRP1B) Is a Chromatin-associated Factor. *J Biol Chem* 2009-10-16 [PMID: 19710015]

Shen C, Oswald D, Phelps D et al. Regulation of FANCD2 by the mTOR pathway contributes to the resistance of cancer cells to DNA double strand breaks. *Cancer Res* 2013-05-21 [PMID: 23633493]

Pines A, Vrouwe MG, Martejn JA et al. PARP1 promotes nucleotide excision repair through DDB2 stabilization and recruitment of ALC1. *J Cell Biol* 2012-01-08 [PMID: 23045548]

Nicolae CM, Aho ER, Vlahos AH et al. The ADP-ribosyltransferase PARP10/ARTD10 interacts with Proliferating Cell Nuclear Antigen (PCNA) and is required for DNA damage tolerance. *J Biol Chem* 2014-04-07 [PMID: 24695737]

Luijsterburg MS, Lindh M, Acs K et al. DDB2 promotes chromatin decondensation at UV-induced DNA damage. *J Cell Biol* 2012-04-09 [PMID: 22492724]

Faraoni I, Compagnone M, Lavorgna S et al. BRCA1, PARP1 and YH2AX in Acute Myeloid Leukemia: Role as Biomarkers of Response to the PARP Inhibitor Olaparib. *Biochim Biophys Acta* 2014-12-01 [PMID: 25483710]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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