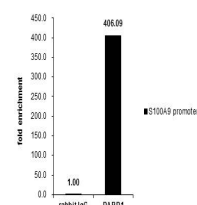


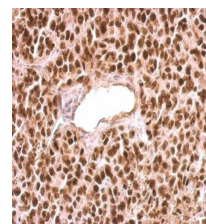
## Product Datasheet

### PARP antibody [N2C1], Internal GRP54

<b>Description</b>	This gene encodes a chromatin-associated enzyme, poly(ADP-ribosyl)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. [provided by RefSeq, Jul 2008]
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ChIP, ICC, IF, IHC-P, IP, WB
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human PARP1. The exact sequence is proprietary.
<b>Form/Appearance</b>	Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
<b>Concentration</b>	0.23 mg/ml
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Note</b>	For research use only.
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Purified by antigen-affinity chromatography.
<b>Uniprot ID</b>	<b>P09874</b>
<b>Entrez</b>	<b>142</b>
<b>Dilution Range</b>	WB: 1:500-1:20000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000, IP: 1:100-1:500



Cross-linked ChIP was performed with Raji chromatin extract and 5 µg of either control rabbit IgG or anti-PARP1 antibody. The precipitated DNA was detected by PCR with primer set targeting to S100A9 promoter.



PARP1 antibody [N2C1], Internal detects PARP1 protein at nucleus on HeLa xenograft by immunohistochemical analysis. Sample: Paraffin-embedded HeLa xenograft. PARP1 antibody [N2C1], Internal (GRP506) dilution: 1:500.