

## Product datasheet for **TA332370S**

### PARP1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB 1:1000 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide of human PARP1
Formulation:	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	1014
Gene Name:	poly(ADP-ribose) polymerase 1
Database Link:	<a href="#">NP_001609</a> <a href="#">Entrez Gene 11545 MouseEntrez Gene 25591 RatEntrez Gene 142 Human P09874</a>

**Background:** PARP1, a 116 kDa nuclear poly (ADP-ribose) polymerase, appears to be involved in DNA repair in response to environmental stress (1). This protein can be cleaved by many ICE-like caspases in vitro (2,3) and is one of the main cleavage targets of caspase-3 in vivo (4,5). In human PARP1, the cleavage occurs between Asp214 and Gly215, which separates the PARP1 amino-terminal DNA binding domain (24 kDa) from the carboxy-terminal catalytic domain (89 kDa) (2,4). PARP1 helps cells to maintain their viability; cleavage of PARP1 facilitates cellular disassembly and serves as a marker of cells undergoing apoptosis (6).

**Synonyms:** ADPRT; ADPRT 1; ADPRT1; ARTD1; pADPRT-1; PARP; PARP-1; PPOL

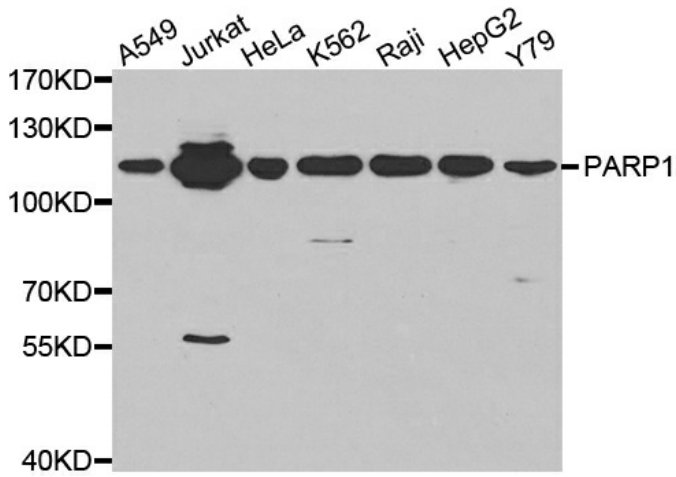


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**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Protein Pathways:** Base excision repair

**Product images:**



Western blot analysis of extracts of Jurkat cell line, using PARP1 antibody.