



## ADPRTL2, ADP-ribosyltransferase polymerase-like 2 polyclonal antibody

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### Box 1 | Basic Info

Cat. No.	ABP-PAB-10467
Animal ID	RB0051-0052
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_005484
Amount	100 µg

#### Alternative Name(s):

poly (ADP-ribosyl) transferase-like 2, PARP2, ADPRT2, PARP-2, ADPRTL3, pADPRT-2, poly(ADP-ribose) synthetase, ADP-ribosyltransferase (NAD<sup>+</sup>; poly (ADP-ribose) polymerase)-like 2

Poly(ADP-ribosyl)ation of nuclear proteins plays a significant role in the maintenance of genomic DNA stability. So far, four poly(ADP-ribosyl)ating proteins have been identified in humans. ADP-ribosyltransferase-like 2 (ADPRTL2) is an ADP-ribosyltransferase-like protein of 1724 amino acids with a molecular mass of 192.8 kDa. ADPRTL2 contains a region of homology to the catalytic domains of nuclear-localized ADP-ribosyltransferase proteins, two recently identified Adprt-like proteins (Adprt12 and Adprt13), and the telomere-associated protein tankyrase. ADPRTL2's catalytic domain is homologous to that of other poly (ADP-ribosyl) transferases, but it lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of regular poly (ADP-ribosyl) transferases.

#### Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

#### Immunogen

KLH conjugated synthetic peptide comprised of amino acids 172 - 188 [EESLKSPLKPESQLDLR] of the human ADP-ribosyltransferase-like 2 (ADPRTL2) protein.

#### Application

Tested by peptide-specific ELISA (1:1,000).

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

#### References:

1. Still IH, Vince P, Cowell JK: Identification of a novel gene (ADPRTL1) encoding a potential Poly(ADP-ribosyl)transferase protein. *Genomics* 62(3): 533-536 (1999).
2. Ame JC, Rolli V, Schreiber V, Niedergang C, Apiou F, Decker P, Muller S, Hoger T, Menissier-de Murcia J, de Murcia G: PARP-2, A novel mammalian DNA damage-dependent poly(ADP-ribose) polymerase. *J. Biol. Chem.* 274(25): 17860-17868 (1999).
3. Berghammer H, Ebner M, Marksteiner R, Auer B: pADPRT-2: a novel mammalian polymerizing(ADP-ribosyl)transferase gene related to truncated pADPRT homologues in plants and *Caenorhabditis elegans*. *FEBS Lett.* 449(2-3): 259-263 (1999).
4. Johansson M: A human poly(ADP-ribose) polymerase gene family (ADPRTL): cDNA cloning of two novel poly(ADP-ribose) polymerase homologues. *Genomics* 57(3): 442-445 (1999).