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## PARP (vPair™) Antibodies

**Cat#: R0191-vp**

**Lot#: Refer to vial**

**Predicted M.W.: 113 kDa**

**Uniprot ID: P09874**

**Application: WB**

**Quantity:** 50 ul PARP (N) (R0191-1) Rabbit Polyclonal Antibody &  
50 ul PARP (M) (R0191-2) Rabbit Polyclonal Antibody

### **Product Introduction:**

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

### **Background:**

Poly [ADP-ribose] polymerase 1 (PARP) is involved in the base excision repair (BER) pathway by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. PARP positively regulates the transcription of MTUS1 and negatively regulates the transcription of MTUS2/TIP150.

### **Other Names:**

ADPRT, PPOL, Poly [ADP-ribose] polymerase 1, PARP-1, NAD(+) ADP-ribosyltransferase 1, ADPRT 1, Poly[ADP-ribose] synthase 1

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the N-terminal [PARP (N) (R0191-1)] or the middle [PARP (M) (R0191-2)] region of human PARP. Antibodies were purified by affinity purification using immunogen.

**Storage Buffer and Condition:**

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

**Species Specificity:**

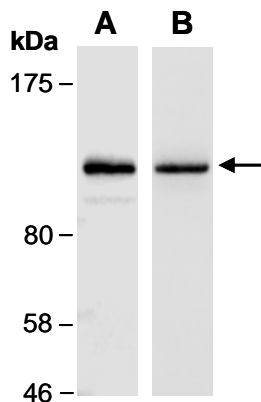
Human

**Tested Applications:**

WB: 1:1,000-1:5,000 (detect endogenous protein\*)

\*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

**Product Data:**



**Fig 1.** Western blot of total cell extracts from human Jurkat, using 2 independent Abs against 2 distinct regions of human PARP [A: R0191-1 (N-terminal); B: R0191-2 (middle)] at RT for 2 h.