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**Product Name: PARP-4 Rabbit Polyclonal Antibody****Catalog #: APRab15768**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000

**Molecular Weight**

**Antigen Information**

<b>Gene Name</b>	PARP4 PARP4; ADPRTL1; KIAA0177; PARPL; Poly [ADP-ribose] polymerase 4; PARP-4; 193 kDa vault protein; ADP-ribosyltransferase diphtheria toxin-like 4; ARTD4; PARP-related/lalpal-related
<b>Alternative Names</b>	H5/proline-rich; PH5P; Vault poly(ADP-ribose) polymerase; VP
<b>Gene ID</b>	143.0
<b>SwissProt ID</b>	Q9UKK3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PARP4. AA range:1151-1200

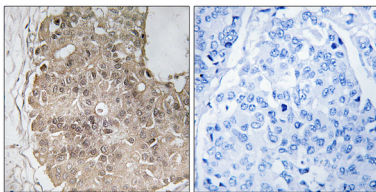
## Background

This gene encodes poly(ADP-ribosyl)transferase-like 1 protein, which is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. Since this protein is not capable of binding DNA directly, its transferase activity may be activated by other factors such as protein-protein interaction mediated by the extensive carboxyl terminus. [provided by RefSeq, Jul 2008],catalytic activity:NAD(+) + (ADP-D-ribosyl)(n)-acceptor = nicotinamide + (ADP-D-ribosyl)(n+1)-acceptor.,similarity:Contains 1 BRCT domain.,similarity:Contains 1 PARP alpha-helical domain.,similarity:Contains 1 PARP catalytic domain.,similarity:Contains 1 VWFA domain.,subcellular location:Also found in the nucleus, associated with mitotic spindles.,subunit:Component of the vault ribonucleoprotein particle, at least composed of MVP, PARP4 and one or more vault RNAs (vRNAs). Binds to MVP. Associates with TEP1.,tissue specificity:Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.,

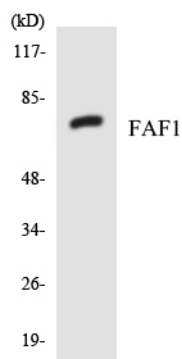
## Research Area

Base excision repair;

## Image Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using PARP4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using FAF1 antibody.