



## PARP-4 Polyclonal Antibody

Catalog No         BYab-00485           Isotype         IgG           Reactivity         Human;Rat;Mouse;           Applications         IHC;IF;ELISA           Gene Name         PARP4           Protein Name         Poly [ADP-ribose] polymerase 4           Immunogen         The antiserum was produced against synthesized peptide derived from human PARP4. AA range:1151-1200           Specificity         PARP4 Polyclonal Antibody detects endogenous levels of PARP4 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit,IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200           Concentration         1 mg/ml           Purity         290%           Storage Stability         -20°C/1 year           Synonyms         PARP4; ADPRTL1; KIAA0177; PARPL; Poly [ADP-ribose] polymerase 4; PARP4; 193 kDa vault protein; ADP-ribosylfransferase diphtheria toxin-like 4; ARTD4; PARP-related/lalphal-related H5/proline-rich; PH5P; Vault poly(ADP-ribose) polymerase; VP           Observed Band         Cell Pathway         Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, spindle . Also found in the nucleus, associated with mitotic spindles.           Tis		
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Gene Name         PARP4           Protein Name         Poly [ADP-ribose] polymerase 4           Immunogen         The antiserum was produced against synthesized peptide derived from human PARP4. AA range: 1151-1200           Specificity         PARP-4 Polyclonal Antibody detects endogenous levels of PARP-4 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PARP4: ADPRTL1; KIAA0177; PARPL; Poly [ADP-ribose] polymerase 4; PARP-4; 193 kDa vault protein; ADP-ribosyltransferase diphtheria toxin-like 4; ARTD4; PARP-related/lalphal-related H5/proline-rich; PH5P; Vault poly(ADP-ribose) polymerase; VP           Observed Band         Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, spindle. Also found in the nucleus, associated with mitotic spindles.           Tissue Specificity         Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.           Function         Catalytic activity.NAD(+) + (ADP-D-ribosyl)(n)-acceptor = nicotinamide + (ADP-D	Reactivity	Human;Rat;Mouse;
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Source         Polyclonal, Rabbit,IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PARP4; ADPRTL1; KIAA0177; PARPL; Poly [ADP-ribose] polymerase 4; PARP-4; 193 KDa vault protein; ADP-ribosyltransferase diphtheria toxin-like 4; ARTD4; PARP-related/lalphal-related H5/proline-rich; PH5P; Vault poly(ADP-ribose) polymerase; VP           Observed Band         Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, spindle . Also found in the nucleus, associated with mitotic spindles.           Tissue Specificity         Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.           Function         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	Specificity	PARP-4 Polyclonal Antibody detects endogenous levels of PARP-4 protein.
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Tissue Specificity  Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.  Function  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	Purity Storage Stability	≥90%  -20°C/1 year  PARP4; ADPRTL1; KIAA0177; PARPL; Poly [ADP-ribose] polymerase 4; PARP-4; 193 kDa vault protein; ADP-ribosyltransferase diphtheria toxin-like 4; ARTD4; PARP-related/lalphal-related H5/proline-rich; PH5P; Vault
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	Purity Storage Stability Synonyms  Observed Band Cell Pathway	≥90%  -20°C/1 year  PARP4; ADPRTL1; KIAA0177; PARPL; Poly [ADP-ribose] polymerase 4; PARP-4; 193 kDa vault protein; ADP-ribosyltransferase diphtheria toxin-like 4; ARTD4; PARP-related/lalphal-related H5/proline-rich; PH5P; Vault poly(ADP-ribose) polymerase; VP  Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, spindle . Also found in the nucleus, associated with mitotic spindles  Widely expressed; the highest levels are in the kidney; also detected in heart,

Nanjing BYabscience technology Co.,Ltd

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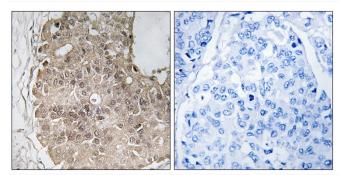


	Associates with TEP1.,tissue specificity:Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.,
Background	This gene encodes poly(ADP-ribosyl)transferase-like 1 protein, which is capable of catalyzing a 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

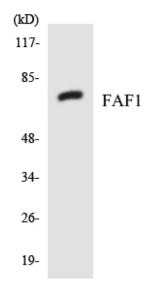




## **Products Images**



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.

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