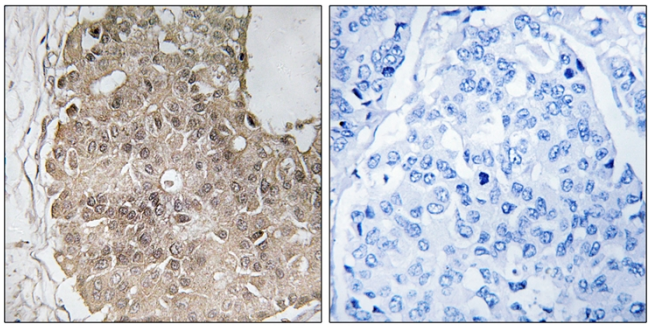
PARP-4 Polyclonal Antibody

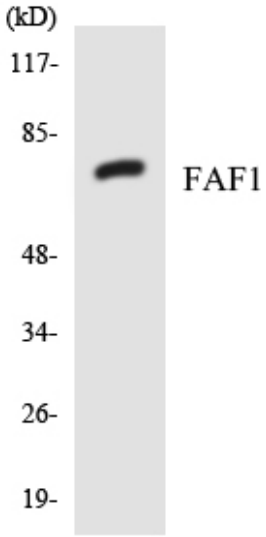
Catalog No	BYab-00485
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	PARP4
Protein Name	Poly [ADP-ribose] polymerase 4
Immunogen	The antiserum was produced against synthesized peptide derived from human PARP4. AA range:1151-1200
Specificity	PARP-4 Polyclonal Antibody detects 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/Ialphal-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. .
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 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.,
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.