

PARP4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58599

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9UKK3
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	192595
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PARP4
Epitope Specificity	851-950/1724
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, spindle. Note=Also found in the nucleus, associated with mitotic spindles.
SIMILARITY	Contains 1 BRCT domain. Contains 1 PARP alpha-helical domain. Contains 1 PARP catalytic domain. Contains 1 VIT domain. [SIMILARITY] Contains 1 VWFA domain.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Component of the vault ribonucleoprotein particle which is at least composed of MVP, PARP4 and one or more vault RNAs (vRNAs). Binds to MVP. Associates with TEP1. Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.

Additional Information

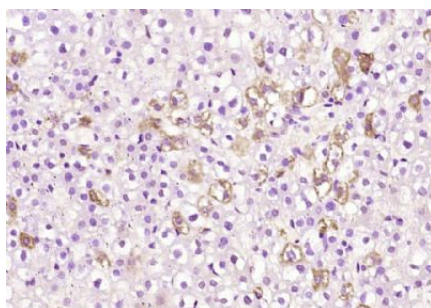
Gene ID	143
Other Names	Protein mono-ADP-ribosyltransferase PARP4, 2.4.2.-, 193 kDa vault protein, ADP-ribosyltransferase diphtheria toxin-like 4, ARTD4, PARP-related/1alphaI-related H5/proline-rich, PH5P, Poly [ADP-ribose] polymerase 4, PARP-4, Vault poly(ADP-ribose) polymerase, VPARP, PARP4 {ECO:0000303 PubMed:20106667, ECO:0000312 HGNC:HGNC:271}
Target/Specificity	Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PARP4 {ECO:0000303 PubMed:20106667, ECO:0000312 HGNC:HGNC:271}
Function	Mono-ADP-ribosyltransferase that mediates mono-ADP- ribosylation of target proteins.
Cellular Location	Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, spindle. Note=Also found in the nucleus, associated with mitotic spindles.
Tissue Location	Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas.

Images



Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PARP4) Polyclonal Antibody, Unconjugated (AP58599) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.