

PARP4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58599**Specification**

PARP4 Polyclonal Antibody - Product Information

| | |
|---|---|
| Application | IHC-P, IHC-F, IF, E |
| Primary Accession | Q9UKK3 |
| Reactivity | Rat, Pig |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 192 KDa |
| 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.

PARP4 Polyclonal Antibody - 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/lalpal-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~~N/A
IHC-F~~N/A
IF~~1:50~200
E~~N/A

Format

0.01M TBS(pH7.4), 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.

PARP4 Polyclonal Antibody - 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.

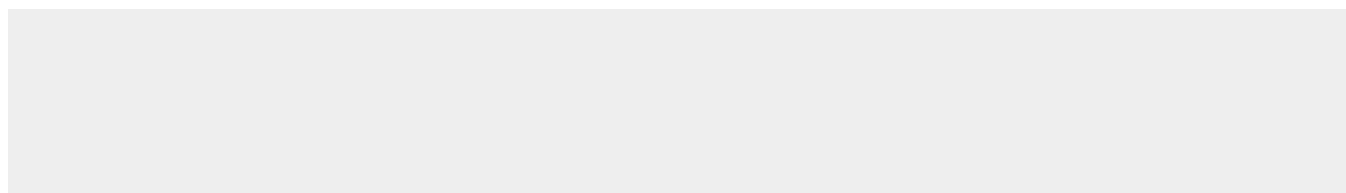
Tissue Location

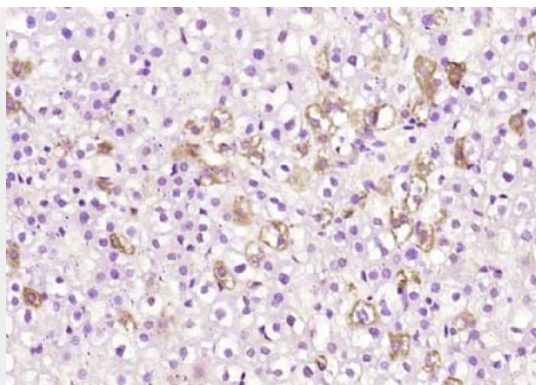
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PARP4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PARP4 Polyclonal Antibody - 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 (bs-7109R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.