

PARP10 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22182c

Specification

PARP10 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q53GL7
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	109998

PARP10 Antibody (Center) - Additional Information

Gene ID 84875

Other Names

Poly [ADP-ribose] polymerase 10, PARP-10, 2.4.2.30, ADP-ribosyltransferase diphtheria toxin-like 10, ARTD10, PARP10

Target/Specificity

This PARP10 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 565-597 amino acids from the Central region of human PARP10.

Dilution

WB~~1:2000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PARP10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PARP10 Antibody (Center) - Protein Information

Name PARP10 ([HGNC:25895](#))

Function ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate and aspartate residues on target proteins (PubMed:[18851833](#), PubMed:[23332125](#), PubMed:[23474714](#), PubMed:[25043379](#)). In contrast to PARP1 and PARP2, it is not able to mediate

poly-ADP-ribosylation (PubMed:[18851833](#)). Catalyzes mono-ADP-ribosylation of GSK3B, leading to negatively regulate GSK3B kinase activity (PubMed:[23332125](#)). Involved in translesion DNA synthesis in response to DNA damage via its interaction with PCNA (PubMed:[24695737](#)).

Cellular Location

Nucleus, nucleolus. Cytoplasm. Note=Shuttles between the nuclear and cytoplasmic compartment (PubMed:15674325). A subpopulation concentrates in the nucleolus during late G1/S phase (PubMed:15674325)

Tissue Location

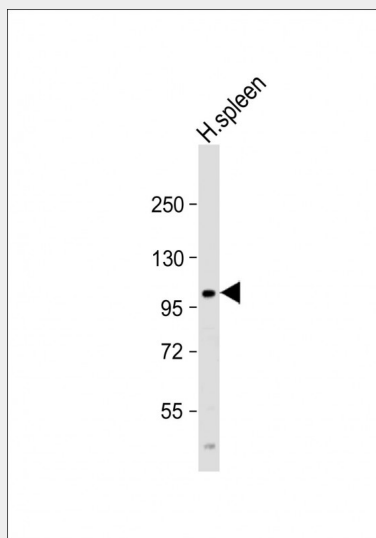
Highly expressed in spleen and thymus (PubMed:15674325). Intermediate levels in liver, kidney, pancreas, prostate, testis, ovary, intestine, and leukocytes (PubMed:15674325) Low expression in heart, brain, placenta, lung, skeletal muscle, and colon (PubMed:15674325).

PARP10 Antibody (Center) - 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](#)

PARP10 Antibody (Center) - Images



Anti-PARP10 Antibody (Center) at 1:2000 dilution + human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 110 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PARP10 Antibody (Center) - Background

May play a role in cell proliferation. May be required for the maintenance of cell cycle progression.

PARP10 Antibody (Center) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Yu M.,et al.Oncogene 24:1982-1993(2005).
Chou H.Y.,et al.J. Biol. Chem. 281:15201-15207(2006).
Choudhary C.,et al.Science 325:834-840(2009).