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PARP10 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12160

Product Information

Application	WB
Primary Accession	Q53GL7
Other Accession	NM_032789, NP_116178
Reactivity	Human, Rat
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109998

Additional Information

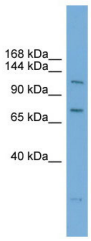
Gene ID	84875
Alias Symbol	FLJ14464
Other Names	Poly [ADP-ribose] polymerase 10, PARP-10, 2.4.2.30, ADP-ribosyltransferase diphtheria toxin-like 10, ARTD10, PARP10
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PARP10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PARP10 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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).

Images



WB Suggested Anti-PARP10 Antibody Titration: 0.2-1 µg/ml
Positive Control: THP-1 cell lysate

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