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PARP11 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10105

Product Information

Application	WB
Primary Accession	Q9NR21
Other Accession	Q9NR21, NP_065100, NM_020367
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Pig, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39597

Additional Information

Gene ID	57097
Alias Symbol	C12orf6, DKFZp779H0122
Other Names	Poly [ADP-ribose] polymerase 11, PARP-11, ADP-ribosyltransferase diphtheria toxin-like 11, ARTD11, PARP11, C12orf6
Target/Specificity	PARP1 encodes a chromatin-associated enzyme, poly(ADP-ribosyl)transferase, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. The modification is dependent on DNA and is involved in the regulation of various important cellular processes such as differentiation, proliferation, and tumor transformation and also in the regulation of the molecular events involved in the recovery of cell from DNA damage. In addition, this enzyme may be the site of mutation in Fanconi anemia, and may participate in the pathophysiology of type I diabetes. PARP1 can be cleaved resulting in fragements of 29 and 85 kDa.
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-PARP11 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	PARP11 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

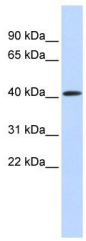
Name	PARP11 {ECO:0000303|PubMed:20106667, ECO:0000312|HGNC:HGNC:1186}

Function	Mono-ADP-ribosyltransferase that mediates mono-ADP- ribosylation of target proteins (PubMed:25043379, PubMed:25673562). Plays a role in nuclear envelope stability and nuclear remodeling during spermiogenesis (By similarity). Inhibits the type I interferon activated signaling pathway (PubMed:30988430). Mechanistically, mono- ADP-ribosylates beta-TrCP/BTRC to promote IFNAR1 ubiquitination and protect BTRC from ubiquitin-proteasome degradation. Additionally, acts as an antiviral factor by cooperating with PARP12 to suppress Zika virus replication, independent of IFNAR1 regulation or intrinsic PARP enzymatic activity (PubMed:34187568). Instead, facilitates the degradation of viral NS1 and NS3 proteins, potentially disrupting viral replication (PubMed:34187568).
Cellular Location	Nucleus, nuclear pore complex. Note=Colocalizes with NUP153 at nuclear pores.

Background

This is a rabbit polyclonal antibody against PARP11. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images



PARP11 antibody - middle region (AI10105) in Human Muscle cells using Western Blot
WB Suggested Anti-PARP11 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human Muscle

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