PARP3 Antibody

PRODUCT OVERVIEW

Product Name	PARP3, Antibody
Full Product Name	PARP3 Antibody
Product Gene Name	anti-PARP3 antibody
Molecular Weight	60,865 Da
OMIM	607726
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-PARP3 antibody	MBS8504361 is an antibody targeting PARP3. Also known as PARP3 Antibody.
Other Notes	Small volumes of anti-PARP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PARP3. It may not necessarily be applicable to this product.

NCBI GI #	158634478
NCBI GeneID	10039
NCBI Accession #	NP_001003931.2
UniProt Secondary Accession #	Q8NER9; Q96CG2; Q9UG81
UniProt Related Accession #	Q9Y6F1
GenBank Nucleotide #	NM_001003931.2
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	poly(ADP-ribose) polymerase family member 3
NCBI Official Symbol	PARP3
NCBI Official Synonym Symbols	IRT1; ARTD3; ADPRT3; ADPRTL2; ADPRTL3; PADPRT-3
UniProt Protein Name	Poly [ADP-ribose] polymerase 3
UniProt Synonym Protein Names	ADP-ribosyltransferase diphtheria toxin-like 3; ARTD3; IRT1; NAD(+) ADP-ribosyltransferase 3; ADPRT-3; Poly[ADP-ribose] synthase 3; pADPRT-3
Protein Family	Poly [ADP-ribose] polymerase
UniProt Gene Name	PARP3
UniProt Synonym Gene Names	ADPRT3; ADPRTL3; PARP-3; hPARP-3; ARTD3; ADPRT-3; pADPRT-3
NCBI Protein Information	poly [ADP-ribose] polymerase 3

NCBI Summary for PARP3	The protein encoded by this gene belongs to the PARP family. These enzymes modify nuclear proteins by poly-ADP-ribosylation, which is required for DNA repair, regulation of apoptosis, and maintenance of genomic stability. This gene encodes the poly(ADP-ribosyl)transferase 3, which is preferentially localized to the daughter centriole throughout the cell cycle. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for PARP3	Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks. May link the DNA damage surveillance network to the mitotic fidelity checkpoint. Negatively influences the G1/S cell cycle progression without interfering with centrosome duplication. Binds DNA. May be involved in the regulation of PRC2 and PRC3 complex-dependent gene silencing.
Research Articles on PARP3	**1.** PARP3 controls of TGFbeta-induced epithelial mesenchymal transformation and acquisition of stem-like cell features by stimulation transglutaminase 2/SNAI1 signaling.
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