

Human Poly ADP Ribose Polymerase (PARP) ELISA Kit | PARP elisa kit

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CATALOG #
AAA331468

REACTIVITY
Human

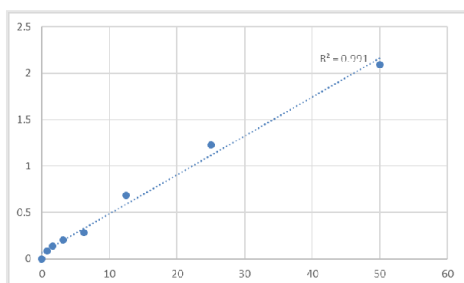
PRODUCT SYNONYMS

Poly ADP Ribose Polymerase (PARP); Human Poly ADP Ribose Polymerase (PARP) ELISA Kit; PARP1; RP11-125A15.2; ADPRT; ADPRT1; PARP; PARP-1; PPOL; pADPRT-1; ADP-ribosyltransferase (NAD⁺; poly (ADP-ribose) polymerase); ADP-ribosyltransferase NAD(+); poly (ADP-ribose) polymerase family; member 1; po; PARP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Poly ADP ribose polymerase (PARP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PARP1. No significant cross-reactivity or interference between Human PARP1 and analogues was observed.
Sequence Length	1014
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Poly ADP ribose polymerase (PARP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PARP elisa kit	Description: This Human Poly ADP ribose polymerase (PARP) ELISA Kit employs a two-site sandwich ELISA to quantitate PARP1 in samples. An antibody specific for PARP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PARP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PARP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PARP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PARP is a protein involved in a number of cellular processes involving mainly DNA repair and programmed cell death.RP, a 116 kDa nuclear poly (ADP-ribose) polymerase, appears to be involved in DNA repair in response to environmental stress. This protein can be cleaved by many ICE-like caspases in vitroand is one of the main cleavage targets of caspase-3 in vivo. In human PARP, the cleavage occurs between Asp214 and Gly215, which separates the PARP amino-terminal DNA binding domain (24 kDa) from the carboxy-terminal catalytic domain (89 kDa). PARP1 is a chromatin-associated enzyme, poly-ADP ribose polymerase-1, which modifies various nuclear proteins by poly(ADP-ribosyl)ation. PARP1 has a role in repair of single-stranded DNA (ssDNA) breaks.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156523968
NCBI GeneID	142
NCBI Accession #	NP_001609.2
NCBI GenBank Nucleotide #	NP_001609.2
UniProt Accession #	P09874
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	poly(ADP-ribose) polymerase 1
NCBI Official Symbol	PARP1
NCBI Official Synonym Symbols	PARP; PPOL; ADPRT; ARTD1; ADPRT1; PARP-1; ADPRT 1; pADPRT-1
NCBI Protein Information	poly [ADP-ribose] polymerase 1
UniProt Protein Name	Poly [ADP-ribose] polymerase 1
UniProt Gene Name	PARP1
UniProt Synonym Gene Names	ADPRT; PPOL; PARP-1; ARTD1; ADPRT 1
UniProt Entry Name	PARP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/poly-adp-ribose-polymerase-parp/331468>