

Human Poly (ADP-Ribose) Glycohydrolase (PARG) ELISA Kit | PARG elisa kit

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CATALOG #
AAA331471

REACTIVITY
Human

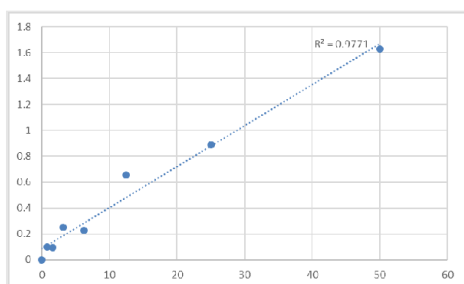
PRODUCT SYNONYMS

Poly (ADP-Ribose) Glycohydrolase (PARG); Human Poly (ADP-Ribose) Glycohydrolase (PARG) ELISA Kit; PARG; FLJ60456; PARG99; poly(ADP-ribose) glycohydrolase 60 kDa isoform; PARG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Poly (ADP-ribose) glycohydrolase (PARG) ELISA Kit has high sensitivity and excellent specificity for detection of Human PARG. No significant cross-reactivity or interference between Human PARG and analogues was observed.
Sequence Length	274
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) glycohydrolase (PARG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PARG elisa kit	Description: This Human Poly (ADP-ribose) glycohydrolase (PARG) ELISA Kit employs a two-site sandwich ELISA to quantitate PARG in samples. An antibody specific for PARG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PARG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PARG 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 PARG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PARG 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 #	720642346
NCBI GeneID	670
NCBI Accession #	NP_001289706.1
NCBI GenBank Nucleotide #	NP_001289706.1
UniProt Accession #	Q86W56; Q86WA6
NCBI Official Full Name	valacyclovir hydrolase isoform 2
NCBI Official Synonym Full Names	biphenyl hydrolase like
NCBI Official Symbol	BPHL
NCBI Official Synonym Symbols	MCNAA; BPH-RP; VACVASE
NCBI Protein Information	valacyclovir hydrolase
UniProt Protein Name	Poly(ADP-ribose) glycohydrolase
UniProt Gene Name	PARG

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://stage.aaabiotech.com/human-elisa-kits/poly-adp-ribose-glycohydrolase-parg/331471>