

Human Poly ADP Ribose Polymerase 4 (PARP4) ELISA Kit | PARP4 elisa kit

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CATALOG #
AAA64889

REACTIVITY
Human

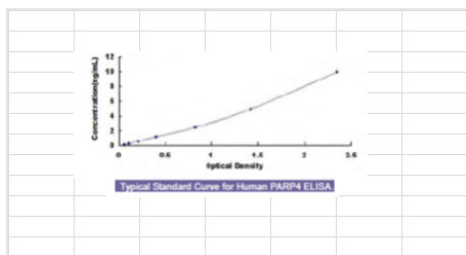
PRODUCT SYNONYMS

Poly ADP Ribose Polymerase 4 (PARP4); Human Poly ADP Ribose Polymerase 4 (PARP4) ELISA Kit; ADPRTL1; ARTD4; PARPL; PH5P; VAULT3; VPARP; P193; VWA5C; von Willebrand Factor A Domain Containing 5C; ADP-ribosyltransferase diphtheria toxin-like 4; Vault polymerase; PARP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PARP4. No significant cross-reactivity or interference between PARP4 and analogues was observed.
Sequence Length	1724
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PARP4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PARP4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PARP4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PARP4 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PARP4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PARP4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PARP4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PARP4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112789550
NCBI GeneID	143
NCBI Accession #	NP_006428.2
NCBI GenBank Nucleotide #	NM_006437.3
UniProt Accession #	Q9UKK3; O75903; Q14682; Q5QNZ9; Q9H1M6
Molecular Weight	192,595 Da
NCBI Official Full Name	poly
NCBI Official Synonym Full Names	poly(ADP-ribose) polymerase family member 4
NCBI Official Symbol	PARP4
NCBI Official Synonym Symbols	PH5P; p193; ARTD4; PARPL; VPARP; VWA5C; PARP-4; VAULT3; ADPRTL1
NCBI Protein Information	poly [ADP-ribose] polymerase 4
UniProt Protein Name	Poly [ADP-ribose] polymerase 4
UniProt Gene Name	PARP4
UniProt Synonym Gene Names	ADPRTL1; KIAA0177; PARPL; PARP-4; ARTD4; PH5P; VPARP

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-4-parp4/64889>