

Human [Protein ADP-Ribosylarginine] Hydrolase (ADPRH) ELISA Kit | ADPRH elisa kit

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CATALOG #
AAA331132

REACTIVITY
Human

PRODUCT SYNONYMS

[Protein ADP-Ribosylarginine] Hydrolase (ADPRH); Human [Protein ADP-Ribosylarginine] Hydrolase (ADPRH) ELISA Kit; ADPRH; ARH1; ADP-ribose-L-arginine cleaving enzyme; ADPRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human [Protein ADP-ribosylarginine] hydrolase (ADPRH) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADPRH. No significant cross-reactivity or interference between Human ADPRH and analogues was observed.
Sequence Length	357
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 [Protein ADP-ribosylarginine] hydrolase (ADPRH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADPRH elisa kit	Description: This Human [Protein ADP-ribosylarginine] hydrolase (ADPRH) ELISA Kit employs a two-site sandwich ELISA to quantitate ADPRH in samples. An antibody specific for ADPRH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADPRH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADPRH 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 ADPRH bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The deduced human ADPRH protein has 357 amino acids and an estimated molecular mass of 39.5 kD. Human ADPRH shows 83% amino acid identity to rat Adprh and 82% identity to mouse Adprh. The authors found that the mouse and rat Adprh sequences contain 5 conserved cysteine residues; the human sequence contains only 4 cysteines, with cys108 in rat corresponding to ser103 in human. Expression of recombinant wildtype and mutant rat and human ADPRH proteins in E. coli and assessment of their DTT requirements for hydrolase activity demonstrated that cys108 is responsible for the DTT dependence of rat Adprh. Northern blot analysis detected a 4.1-kb ADPRH transcript in various human tissues, including fetal and adult brain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557263
NCBI GeneID	141
NCBI Accession #	NP_001116.1
NCBI GenBank Nucleotide #	NP_001116.1
UniProt Accession #	P54922
NCBI Official Full Name	ADP-ribosylarginine hydrolase isoform 1
NCBI Official Synonym Full Names	ADP-ribosylarginine hydrolase
NCBI Official Symbol	ADPRH
NCBI Official Synonym Symbols	ARH1; hARH1
NCBI Protein Information	ADP-ribosylarginine hydrolase
UniProt Protein Name	[Protein ADP-ribosylarginine] hydrolase
UniProt Gene Name	ADPRH
UniProt Synonym Gene Names	ARH1; ADP-ribosylarginine hydrolase
UniProt Entry Name	ADPRH_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://stage.aaabiotech.com/human-elisa-kits/protein-adp-ribosylarginine-hydrolase-adprh/331132>