

Rat 14 kDa phosphohistidine phosphatase (PHPT1) ELISA Kit | PHPT1 elisa kit

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CATALOG #
AAA246138

REACTIVITY
Rat

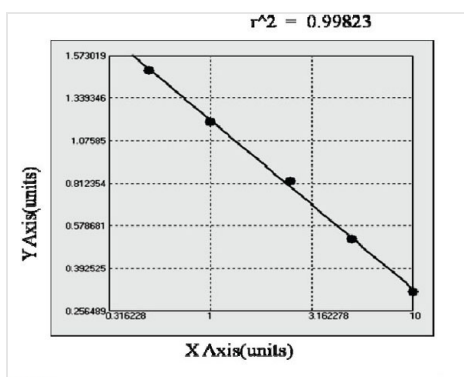
PRODUCT SYNONYMS

14 kDa phosphohistidine phosphatase (PHPT1); Rat 14 kDa phosphohistidine phosphatase (PHPT1) ELISA Kit; PHPT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This KLHL24 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat KLHL24. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PHPT1 elisa kit

Principle of the Assay: KLHL24 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-KLHL24 antibody and an KLHL24-HRP conjugate. The assay sample and buffer are incubated together with KLHL24-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the KLHL24 concentration since KLHL24 from samples and KLHL24-HRP conjugate compete for the anti-KLHL24 antibody binding site. Since the number of sites is limited, as more sites are occupied by KLHL24 from the sample, fewer sites are left to bind KLHL24-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KLHL24 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PHPT1 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	565324201
NCBI GeneID	29085
NCBI Accession #	NP_001274271.1
NCBI GenBank Nucleotide #	NM_001287342.1
Molecular Weight	13,672 Da
NCBI Official Full Name	14 kDa phosphohistidine phosphatase isoform 4
NCBI Official Synonym Full Names	phosphohistidine phosphatase 1
NCBI Official Symbol	PHPT1
NCBI Official Synonym Symbols	PHP14; CGI-202; HSPC141; HEL-S-132P
NCBI Protein Information	14 kDa phosphohistidine phosphatase; protein janus-A homolog; sex-regulated protein janus-a; epididymis secretory sperm binding protein Li 132P
UniProt Protein Name	14 kDa phosphohistidine phosphatase
UniProt Gene Name	PHPT1
UniProt Synonym Gene Names	PHP14; CGI-202; HSPC141
UniProt Entry Name	PHP14_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/rat-elisa-kits/14-kda-phosphohistidine-phosphatase-phpt1/246138>