Human Peptidyl-tRNA Hydrolase 2, Mitochondrial (PTRH2) ELISA Kit | PTRH2 elisa kit

Human Peptidyl-tRNA Hydrolase 2, Mitochondrial (PTRH2) ELISA Kit

CATALOG #	REACTIVITY
AAA331224	**Human**

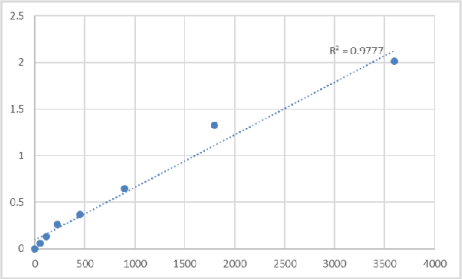
PRODUCT SYNONYMS

Peptidyl-tRNA Hydrolase 2; Mitochondrial (PTRH2); Human Peptidyl-tRNA Hydrolase 2; Mitochondrial (PTRH2) ELISA Kit; PTRH2; BIT1; CGI-147; FLJ32471; PTH2; Bcl-2 inhibitor of transcription; PTRH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peptidyl-tRNA hydrolase 2, mitochondrial (PTRH2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTRH2. No significant cross-reactivity or interference between Human PTRH2 and analogues was observed.
Sequence Length	179
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 Peptidyl-tRNA hydrolase 2, mitochondrial (PTRH2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTRH2 elisa kit	Description: This Human Peptidyl-tRNA hydrolase 2, mitochondrial (PTRH2) ELISA Kit employs a two-site sandwich ELISA to quantitate PTRH2 in samples. An antibody specific for PTRH2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTRH2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTRH2 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 PTRH2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Loss of cell attachment to the extracellular matrix causes apoptosis, a process known as anoikis. BCL2 is an antiapoptotic protein that can protect cells against anoikis. BIT1 is evolutionarily conserved from bacteria to human. It contains an N-terminal mitochondria localization sequence and a C-terminal UPF0099 domain. Northern blot analysis detected a 1-kb BIT1 transcript expressed prominently in testis, prostate, skeletal muscle, and liver, with lower expression in heart, spleen, placenta, and colon. No significant expression was detected in thymus or peripheral leukocytes. Human embryonic kidney cells showed only trace expression of BIT1. Immunostaining localized endogenous BIT1 to the mitochondria of HeLa cells, and immunoblot analysis revealed a 20-kD doublet in HeLa cell mitochondrial extracts.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706351
NCBI GeneID	51651
NCBI Accession #	NP_057161.1
NCBI GenBank Nucleotide #	NP_057161.1
UniProt Accession #	Q9Y3E5
NCBI Official Full Name	peptidyl-tRNA hydrolase 2, mitochondrial isoform b
NCBI Official Synonym Full Names	peptidyl-tRNA hydrolase 2
NCBI Official Symbol	PTRH2
NCBI Official Synonym Symbols	PTH; BIT1; PTH2; PTH 2; CFAP37; IMNEPD; CGI-147
NCBI Protein Information	peptidyl-tRNA hydrolase 2, mitochondrial
UniProt Protein Name	Peptidyl-tRNA hydrolase 2, mitochondrial
UniProt Gene Name	**PTRH2**
UniProt Synonym Gene Names	BIT1; PTH2; PTH 2
UniProt Entry Name	PTH2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/human-elisa-kits/peptidyl-trna-hydrolase-2-mitochondrial-ptrh2/331224