

Human Poly (A) RNA Polymerase, Mitochondrial (MTPAP) ELISA Kit | MTPAP elisa kit

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CATALOG #
AAA331641

REACTIVITY
Human

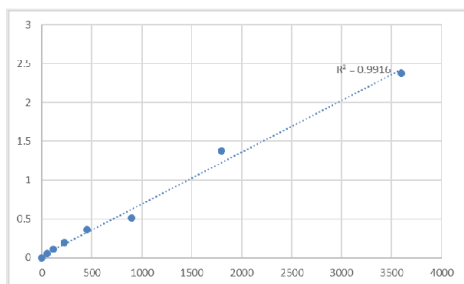
PRODUCT SYNONYMS

Poly (A) RNA Polymerase; Mitochondrial (MTPAP); Human Poly (A) RNA Polymerase; Mitochondrial (MTPAP) ELISA Kit; MTPAP; FLJ10486; PAPD1; RP11-305E6.3; PAP associated domain containing 1; MTPAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Poly (A) RNA polymerase, mitochondrial (MTPAP) ELISA Kit has high sensitivity and excellent specificity for detection of Human MTPAP. No significant cross-reactivity or interference between Human MTPAP and analogues was observed.
Sequence Length	582
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 (A) RNA polymerase, mitochondrial (MTPAP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MTPAP elisa kit	Description: This Human Poly (A) RNA polymerase, mitochondrial (MTPAP) ELISA Kit employs a two-site sandwich ELISA to quantitate MTPAP in samples. An antibody specific for MTPAP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTPAP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTPAP 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 MTPAP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mitochondrial poly(A) polymerase encoded by MTPAP is a member of the DNA polymerase type-B-like family. This enzyme synthesizes the 3' poly(A) tail of mitochondrial transcripts and plays a role in replication-dependent histone mRNA degradation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74753002
NCBI GeneID	55149
UniProt Accession #	Q9NVV4
NCBI Official Full Name	Poly(A) RNA polymerase, mitochondrial
NCBI Official Synonym Full Names	mitochondrial poly(A) polymerase
NCBI Official Symbol	MTPAP
NCBI Official Synonym Symbols	PAPD1; SPAX4; TENT6
NCBI Protein Information	poly(A) RNA polymerase, mitochondrial
UniProt Protein Name	Poly(A) RNA polymerase, mitochondrial
UniProt Gene Name	MTPAP
UniProt Synonym Gene Names	PAPD1; PAP; TUTase 1
UniProt Entry Name	PAPD1_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/poly-a-rna-polymerase-mitochondrial-mtpap/331641>