

Human Pregnancy associated plasma protein A ELISA Kit | PAPP-A elisa kit

Human Pregnancy associated plasma protein A (PAPP-A) ELISA Kit

CATALOG #
AAA55461

REACTIVITY
Human

PRODUCT SYNONYMS

Pregnancy associated plasma protein A; Human Pregnancy associated plasma protein A (PAPP-A) ELISA Kit; PAPP-A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PAPPA. No significant cross-reactivity or interference between Human PAPPA and analogues was observed.
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PAPP-A elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PAPPA in samples. An antibody specific for PAPPA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPAPPA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAPPA 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 PAPPA bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38045915
NCBI GeneID	5069
NCBI Accession #	NP_002572.2
NCBI GenBank Nucleotide #	NM_002581.4
UniProt Accession #	Q13219 ; Q08371 ; Q68G52 ; Q9UDK7 ; B1AMF9
Molecular Weight	180,973 Da

NCBI Official Full Name	pappalysin-1 preproprotein
NCBI Official Synonym Full Names	pappalysin 1
NCBI Official Symbol	PAPPA
NCBI Official Synonym Symbols	PAPA; DIPLA1; PAPP-A; PAPPA1; ASBABP2; IGFBP-4ase
NCBI Protein Information	pappalysin-1
UniProt Protein Name	Pappalysin-1
UniProt Gene Name	PAPPA
UniProt Synonym Gene Names	IGF-dependent IGFBP-4 protease; IGFBP-4ase; PAPP-A

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/papp-a-human-elisa-kits/pregnancy-associated-plasma-protein-a/55461>