

Human PAPP A Antibody Pair Set

Catalog No.	E-KAB-0142	Applications	ELISA
Synonyms	PAPP-A, PAPA, DIPLA1, IGFBP-4ase, PAPP A1, ASBABP2, Pappalysin 1		

Kit components & Storage

Title	Specifications	Storage
Human PAPP A Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human PAPP A Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

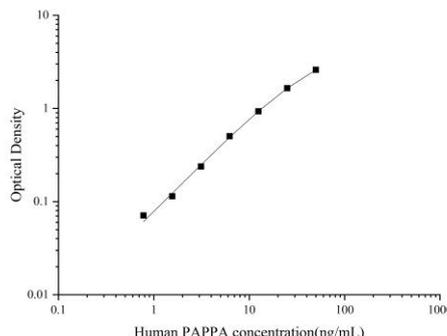
Product Information

Items		Characteristic (E-KAB-0142)	
		Human PAPP A Capture Antibody	Human PAPP A Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human PAPP A protein	Recombinant Human PAPP A protein
	Swissprot	Q13219	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human PAPP A in ELISAs.	

For Research Use Only

Applications

Human PAPP A Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human PAPP A Capture Antibody	 <p>The graph displays a standard curve for the Human PAPP A Sandwich ELISA Assay. The y-axis represents Optical Density, ranging from 0.01 to 10 on a logarithmic scale. The x-axis represents Human PAPP A concentration in ng/mL, also on a logarithmic scale, ranging from 0.1 to 1000. Six data points are plotted, showing a clear positive linear relationship between the concentration of Human PAPP A and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human PAPP A concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.08</td> </tr> <tr> <td>2</td> <td>0.12</td> </tr> <tr> <td>5</td> <td>0.25</td> </tr> <tr> <td>10</td> <td>0.4</td> </tr> <tr> <td>20</td> <td>0.7</td> </tr> <tr> <td>50</td> <td>1.5</td> </tr> </tbody> </table>	Human PAPP A concentration (ng/mL)	Optical Density	1	0.08	2	0.12	5	0.25	10	0.4	20	0.7	50	1.5
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ELISA Detection	1:1000-1:10000	Human PAPP A Detection Antibody (Biotin)															

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes a secreted metalloproteinase which cleaves insulin-like growth factor binding proteins (IGFBPs). It is thought to be involved in local proliferative processes such as wound healing and bone remodeling. Low plasma level of this protein has been suggested as a biochemical marker for pregnancies with aneuploid fetuses.