

Anti-Pregnancy associated plasma protein A (human, PAPP-A)

CAT. NO. ABS 006-24

OVERVIEW

Product Name	Anti-Pregnancy associated plasma protein A (human, PAPP-A)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	PAPP A 1-24
Tested Applications	ELISA, WB, IHC		

SPECIFICITY

Specificity	ABS 006-24 is specific for native human PAPP-A. Heat and SDS denatured PAPP-A is also recognized, but not acid treated PAPP-A. The epitope of ABS 006-24 is different from BTE 004-09 and ABS 006-01. The epitope is located on the PAPP-A subunit of the heterotetramer.
--------------------	--

Immunogen	Purified human PAPP-A	Gene ID	5069
------------------	-----------------------	----------------	------

Target	Pregnancy-associated plasma protein-A (PAPP-A, Insulin-like growth factor binding protein-4 protease, PAPP-A-proMBP complex) is a large heterotetrameric glycoprotein of approximately 500 kDa, which was first discovered in serum from pregnant women. The heterotetramer consists of two PAPP-A subunits and two proMBP subunits. Low maternal serum levels of PAPP-A in first trimester biochemical screening is used as a marker of Down's syndrome (trisomy 21).
---------------	--

Species Reactivity POSITIVE	Human	Species Reactivity NEGATIVE	Not determined
--	-------	--	----------------

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL $\pm$ 15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

ELISA	BTE 004-09 as coating antibody and biotinylated ABS 006-24 as a detection antibody is a good combination for sandwich ELISA.
WB	ABS 006-24 only detects unreduced PAPP-A in Western blotting.
IHC	ABS 006-24 gives the strongest signal in IHC compared to ABS 006-01 and BTE 004-09.

SCIENTIFIC REFERENCES

N/A

CONDITIONS

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.