

Anti-Pregnancy associated plasma protein A (human, PAPP-A)**Mouse monoclonal antibody**Subclass: IgG₁/κ

CAT. NO.

ABS 006-24

Clone: PAPP A

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 .
IMMUNOGEN	Purified human PAPP-A
TESTED APPLICATIONS	ELISA, WB, IHC
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	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.

PRESENTATION

Content:	Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION	ELISA: BTE 004-09 as coating antibody and biotinylated ABS 006-24 as 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.
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).

REFERENCES**CONDITIONS**

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