

**Anti-Pregnancy associated plasma protein A (human, PAPP-A)
Mouse monoclonal antibody**

Subclass: IgG₁/κ

PRODUCT NO.

ABS 006-24

Clone: PAPP A 1-24

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.

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.

ANTIGEN

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).

IMMUNOGEN

Purified human PAPP-A adsorbed onto aluminum hydroxide

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.

EPI TOPE 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.

REACTIVITY

BTE 004-09 as coating antibody and biotinylated ABS 006-24 as detection antibody is a good combination for sandwich ELISA.

ABS 006-24 only detects unreduced PAPP-A in Western Blotting.

ABS 006-24 gives the strongest signal in IHC compared to ABS 006-01 and BTE 004-09.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

X63-Ag8.653

IMMUNIZATION

Female BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	
Immunoblotting	Yes	
Immunohistochemistry	Yes	

REFERENCES

CONDITIONS

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