

PAPP-A (A3) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250257

Unit: 0.2 mg

Description:

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). This antibody is specific for native human PAPP-A. Heat and SDS-denatured PAPP-A are also recognized, but not acid treated PAPP-A.

Isotype: Mouse IgG1/k

Applications: E, IHC

Species Reactivity: H

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Pregnancy-associated plasma protein A; Pappalysin-1(precursor); Insulin-like growth factor-dependent IGF-binding protein 4 protease; IGF-dependent IGFBP-4 protease; IGFBP-4ase

Accession No.: Q13219

Antigen: Purified human PAPP-A

Application Notes: In sandwich ELISA the optimal combination is Product Cat. No. 250257 used as capture antibody and biotinylated Product Cat. No. 250220 used as detection antibody. Product Cat. No. 250257 can also be used as detection antibody in sandwich ELISA in combination with a polyclonal antibody against PAPP-A. Product Cat. No. 250257 detect both reduced and unreduced PAPP-A in Western Blotting although the signal to unreduced form is weaker than the one with Product Cat. No. 250219 and Product Cat. No. 250220. E: 1:8,000; WB: 1:1,000; IHC: 1:500

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.