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Datasheet for ABIN6938112  
**anti-PAPPA antibody (AA 351-523)**

### Overview

Quantity:	100 µg
Target:	PAPPA
Binding Specificity:	AA 351-523
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAPPA antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

### Product Details

Immunogen:	Recombinant fragment (within aa 351-523) of human PAPP-A protein (exact sequence is proprietary)
Clone:	PAPPA-2715
Isotype:	IgG2b kappa
Specificity:	Pregnancy Associated Plasma Protein (PAPP-A) is found in maternal blood that increases as pregnancy progresses, although it is not specific to pregnancy. It is principally expressed in the syncytiotrophoblast of the placenta, which forms the main source of circulating maternal PAPP-A. It cleaves insulin-like growth factor binding proteins (IGFBPs), IGFBP-4 and IGFBP-5. IGFBP-4 cleavage is enhanced significantly in the presence of bound IGF, whereas IGFBP-5 cleavage is inhibited slightly by IGF presence. It is thought to be involved in local proliferative processes such as wound healing and bone remodeling. Low plasma level of this protein has

## Product Details

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been suggested as a biochemical marker for pregnancies with aneuploid fetuses. PAPP A has also been suggested as a potential biomarker of acute myocardial infarction and Coronary Artery Disease (CAD).

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

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Target: PAPP A

Alternative Name: PAPP A ([PAPP A Products](#))

Background: ASBABP2, Aspecific BCL2 ARE binding protein 2, Differentially placenta 1 expressed protein, DIPLA1, IGF-dependent, IGFBP4ase, Insulin-like growth factor-dependent IGF-binding protein 4 protease (IGFBP-4 protease), PAPA, PAPP A, PAPP A1, Pappalysin-1, Pregnancy Associated Plasma Protein A (PAPP-A),PAPP-A / Pappalysin-1 (Marker of Atherosclerosis and Aneuploid Fetus)

Cellular localisation: Secreted

Molecular Weight: 181kDa

Gene ID: 5069, 643599

UniProt: [Q13219](#)

## Application Details

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Application Notes: Known\_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Positive\_Control: Placenta.

Restrictions: For Research Use only

## Handling

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Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

## Handling

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Storage: -20 °C,-80 °C

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Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

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Expiry Date: 24 months