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# 10-7569: Monoclonal Antibody to PAPP-A (Clone: ABM4C62)

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| **Clonality :** | Monoclonal |
| **Clone Name :** | ABM4C62 |
| **Application :** | IHC |
| **Reactivity :** | Human |
| **Gene :** | PAPPA |
| **Gene ID :** | 5069 |
| **Uniprot ID :** | Q13219 |
| **Format :** | Purified |
| **Alternative Name :** | Insulin-like growth factor-dependent IGF-binding protein 4 protease, IGF-dependent IGFBP-4 proteas, Pregnancy-associated plasma protein A |
| **Isotype :** | Mouse IgG2b Kappa |
| **Immunogen Information :** | A partial length recombinant PAPP-A protein (amino acids 332-561) was used as the immunogen for this antibody. |

## Description

PAPP-A (pregnancy-associated plasma protein A) is a zinc metalloproteinase in the insulin-like growth factor system that is expressed by tissues outside of pregnancy and involved in normal and dysregulated growth. It has prognostic impact in pregnancy and acute coronary syndrome. PAPP-A regulate the activity of insulin-like growth factor (IGF) signal pathway through proteolytic degradation of IGF binding proteins (IGFBPs) thereby increasing the local concentration of free IGFs available to receptors. PAPP-A levels is associated with abnormal glucose metabolism and increased risk of atherosclerosis in AGHD (Adult Growth Hormone Deficiency) patients.

## Product Info

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| **Amount :** | 25 µg / 100 µg |
| **Purification :** | Protein G Chromatography |
| **Content :** | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| **Storage condition :** | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

## Application Note

Immunohistochemical analysis: 5-10 µg/ml

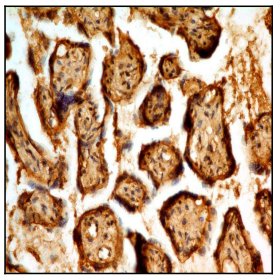

Fig-1: Immunohistochemical analysis of PAPP-A in human Placenta tissue using PAPP-A antibody (Clone: ABM4C62) at 5 µg/ml.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***