

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM4C62
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	PAPPA
<b>Gene ID :</b>	5069
<b>Uniprot ID :</b>	Q13219
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Insulin-like growth factor-dependent IGF-binding protein 4 protease, IGF-dependent IGFBP-4 protease, Pregnancy-associated plasma protein A
<b>Isotype :</b>	Mouse IgG2b Kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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

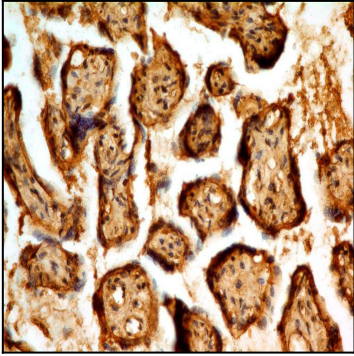


Fig-1: Immunohistochemical analysis of PAPP-A in human Placenta tissue using PAPP-A antibody (Clone: ABM4C62) at 5  $\mu$ g/ml.