

For Research Use Only

# PAPPA Monoclonal antibody

Catalog Number: 66962-1-Ig

Featured Product

1 Publications



## Basic Information

Catalog Number:

66962-1-Ig

Size:

1600 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11863

GenBank Accession Number:

BC078657

GeneID (NCBI):

5069

UNIPROT ID:

Q13219

Full Name:

pregnancy-associated plasma protein

A, pappalysin 1

Calculated MW:

1627 aa, 181 kDa

Observed MW:

180-220 kDa

Purification Method:

Protein A purification

CloneNo.:

1G5A7

Recommended Dilutions:

WB 1:4000-1:10000

IHC 1:500-1:1000

## Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB: human placenta tissue, MCF-7 cells

IHC: human placenta tissue,

## Background Information

Pregnancy-associated plasma protein A (PAPPA) is a metalloproteinase secreted by human placenta, and it can interact with IGF-binding proteins (IGFBPs) to regulate the proteolysis and the bioavailability of insulin-like growth factor (IGF). Circulating PAPPA represents a consolidated biomarker in combined first-trimester screening tests, allowing an early prenatal diagnosis of chromosomal abnormalities, preeclampsia, and intrauterine growth restriction risk. PAPPA is highly expressed in placenta and pregnancy serum (PMID: 34974815, 34974815).

## Notable Publications

Author	Pubmed ID	Journal	Application
Go Itoh	34379869	Mol Oncol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

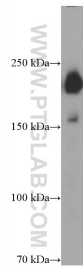
T: 4006900926

E: Proteintech-CN@ptglab.com

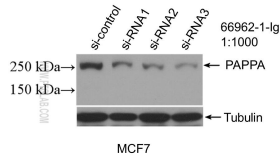
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

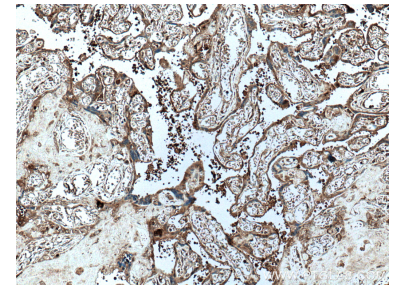
## Selected Validation Data



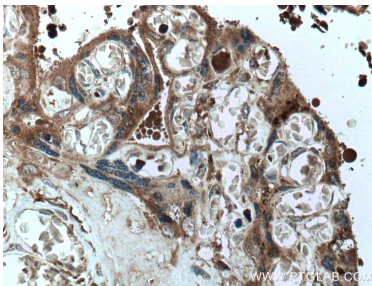
human placenta tissue were subjected to SDS PAGE followed by western blot with 66962-1-Ig (PAPA antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



WB result of PAPA antibody (66962-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PAPA transfected MCF-7 cells.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66962-1-Ig (PAPA antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66962-1-Ig (PAPA antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).