

For Research Use Only

PAPPA Monoclonal antibody

Catalog Number: 66962-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66962-1-Ig	GenBank Accession Number: BC078657	Purification Method: Protein A purification
Size: 150ul, Concentration: 1600 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5069	CloneNo.: 1G5A7
Source: Mouse	Full Name: pregnancy-associated plasma protein A, pappalysin 1	Recommended Dilutions: WB 1:4000-1:10000 IHC 1:500-1:1000
Isotype: IgG1	Calculated MW: 1627 aa, 181 kDa	
Immunogen Catalog Number: AG11863	Observed MW: 180-220 kDa	

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

*** 20ul sizes contain 0.1% BSA

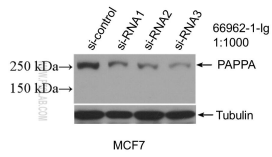
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

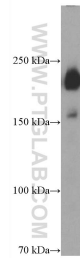
E: proteintech@ptglab.com
W: ptglab.com

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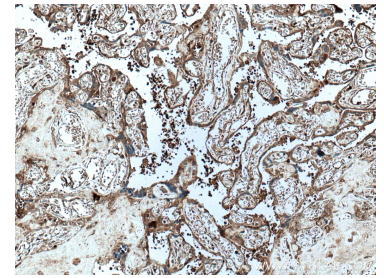
Selected Validation Data



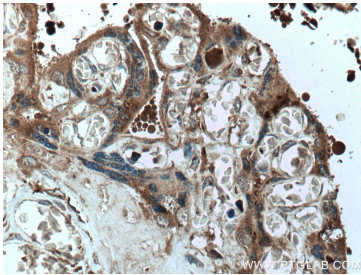
WB result of PAPP A antibody (66962-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PAPPA transfected MCF-7 cells.



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



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