



Rabbit Anti-PAPPA antibody

SL6618R

Product Name:	PAPPA
Chinese Name:	妊娠相关血浆蛋白A抗体
Alias:	ASBABP2; Aspecific BCL2 ARE binding protein 2; Differentially placenta 1 expressed protein; DIPLA1; IGF dependent IGFBP 4 protease; IGF-dependent IGFBP-4 protease; IGFBP 4ase; IGFBP-4ase; IGFBP4ase; Insulin like growth factor dependent IGF binding protein 4 protease; Insulin-like growth factor-dependent IGF-binding protein 4 protease; PAPA; PAPP A; PAPP-A; PAPP1_HUMAN; PAPPA; PAPPA1; Pappalysin 1 precursor; Pappalysin-1; Pregnancy Associated Plasma Protein A; Pregnancy associated plasma protein A pappalysin 1; Pregnancy-associated plasma protein A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	170kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PAPPA:1321-1460/1627
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Metalloproteinase which specifically cleaves IGFBP-4 and IGFBP-5, resulting in release

of bound IGF. Cleavage of IGFBP-4 is dramatically enhanced by the presence of IGF, whereas cleavage of IGFBP-5 is slightly inhibited by the presence of IGF.

Function:

Metalloproteinase which specifically cleaves IGFBP-4 and IGFBP-5, resulting in release of bound IGF. Cleavage of IGFBP-4 is dramatically enhanced by the presence of IGF, whereas cleavage of IGFBP-5 is slightly inhibited by the presence of IGF.

Subunit:

Homodimer; disulfide-linked. In pregnancy serum, predominantly found as a disulfide-linked 2:2 heterotetramer with the proform of PRG2.

Subcellular Location:

Secreted.

Tissue Specificity:

High levels in placenta and pregnancy serum. In placenta, expressed in X cells in septa and anchoring villi, and in syncytiotrophoblasts in the chorionic villi. Lower levels are found in a variety of other tissues including kidney, myometrium, endometrium, ovaries, breast, prostate, bone marrow, colon, fibroblasts and osteoblasts.

Post-translational modifications:

There appear to be no free sulfhydryl groups.

Similarity:

Belongs to the peptidase M43B family.
Contains 5 Sushi (CCP/SCR) domains.

SWISS:

Q13219

Gene ID:

5069

Database links:

[Entrez Gene: 5069](#)Human

[Omim: 176385](#)Human

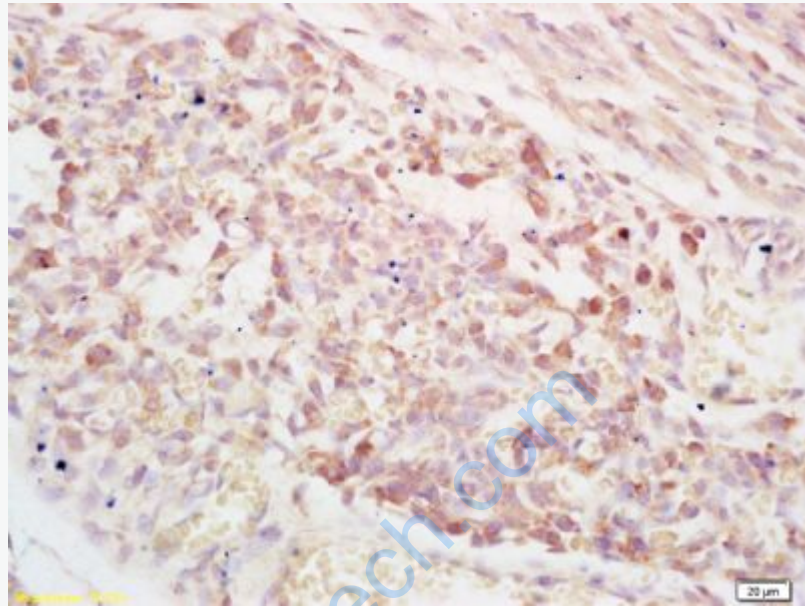
[SwissProt: Q13219](#)Human

[Unigene: 643599](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.



Picture:

Tissue/cell: Mouse embryos; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-PAPPA Polyclonal Antibody, Unconjugated(SL6618R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining