

anti-Human PAPP A Polyclonal Antibody | anti-PAPP A antibody

Anti-PAPP A Antibody

CATALOG # AAA46565	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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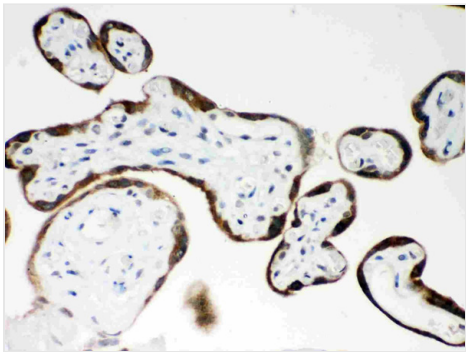
PRODUCT SYNONYMS

PAPP A; Polyclonal Antibody; Anti-PAPP A Antibody; Pappalysin-1; ASBAP2; 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; PAPP1_HUMAN; PAPPA; PAPPA1; Pappalysin 1 precursor; Pregnancy Associated Plasma Protein A; Pregnancy associated plasma protein A pappalysin 1; Pregnancy-associated plasma protein A; pregnancy-associated plasma protein A; pappalysin 1; anti-PAPP A antibody

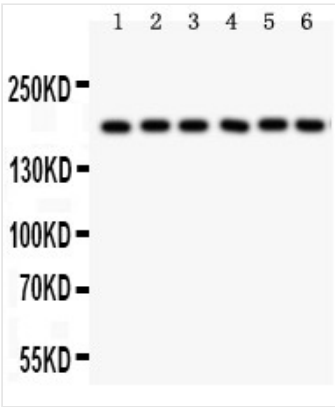
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1627
Applicable Applications for anti-PAPP A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PAPP A recombinant protein (Position: R95-Q388). Human PAPP A shares 88% amino acid (aa) sequence identity with mouse PAPP A.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti- PAPP A Picoband antibody, AAA46565, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)
Anti- PAPP A Picoband antibody, AAA46565, Western blottingAll lanes: Anti PAPP A (AAA46565) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: HT1080 Whole Cell Lysate at 40ugLane 3: SKOV Whole Cell Lysate at 40ugLane 4: 22RV1 Whole Cell Lysate at 40ugLane 5: SW620 Whole Cell Lysate at 40ugLane 6: MM231 Whole Cell Lysate at 40ugPredicted bind size: 181KDObserved bind size: 181KD

ADDITIONAL INFORMATION

Related Product Information for anti-PAPP A antibody	Description: Rabbit IgG polyclonal antibody for Pappalysin-1(PAPPA) detection. Tested with WB, IHC-P in Human. Background: Pappalysin-1, also known as DIPLA1, is a protein that in humans is encoded by the PAPPA gene. It is mapped to 9q33.1. PAPPA is found in the ovarian follicles, follicular fluid, luteal cells, and fallopian tubes of nonpregnant women and in the seminal vesicles and seminal fluid of males. This gene encodes a secreted metalloproteinase which cleaves insulin-like growth factor binding proteins (IGFBPs). It is thought to be involved in local proliferative processes such as wound healing and bone remodeling. Low plasma level of this protein has been suggested as a biochemical marker for pregnancies with aneuploid fetuses. It has been found that circulating PAPPA is a disulfide-bridged complex with proMBP in which the subunits of the constituents are present in a 1:1 molar ratio.
References	1. Oxvig, C., Sand, O., Kristensen, T., Gleich, G. J., Sottrup-Jensen, L. Circulating human pregnancy-associated plasma protein-A is disulfide-bridged to the proform of eosinophil major basic protein. J. Biol. Chem. 268: 12243-12246, 1993. 2. Overgaard, M. T., Haaning, J., Boldt, H. B., Olsen, I. M., Laursen, L. S., Christiansen, M., Gleich, G. J., Sottrup-Jensen, L., Conover, C. A., Oxvig, C. Expression of recombinant human pregnancy-associated plasma protein-A and identification of the proform of eosinophil major basic protein as its physiological inhibitor. J. Biol. Chem. 275: 31128-31133, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38045915
NCBI GeneID	5069
NCBI Accession #	NP_002572.2
NCBI GenBank Nucleotide #	NM_002581.4
UniProt Accession #	Q13219; Q08371; Q68G52; Q9UDK7; B1AMF9
Molecular Weight	180,973 Da
NCBI Official Full Name	pappalysin-1 preproprotein
NCBI Official Synonym Full Names	pappalysin 1
NCBI Official Symbol	PAPPA
NCBI Official Synonym Symbols	PAPA; DIPLA1; PAPP-A; PAPPA1; ASBABP2; IGFBP-4ase
NCBI Protein Information	pappalysin-1

UniProt Protein Name	Pappalysin-1
UniProt Gene Name	PAPPA
UniProt Synonym Gene Names	IGF-dependent IGFBP-4 protease; IGFBP-4ase; PAPP-A
UniProt Entry Name	PAPP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/papp-a-antibody-immunohistochemistry-western-blot-elisa/46565>