

Anti-PAPP A/PAPPA Antibody Picoband™

Catalog Number: PB9306

About PAPPA

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.

Overview

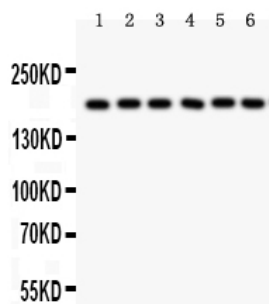
Product Name	Anti-PAPP A/PAPPA Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-PAPP A/PAPPA Antibody Picoband™ catalog # PB9306. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13219

Technical Details

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.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat Western blot, 0.1-0.5ug/ml, Human

Anti-PAPP A/PAPPA Antibody Picoband™ (PB9306) Images



Anti-PAPP A Picoband antibody, PB9306, Western blotting

All lanes: Anti PAPP A (PB9306) at 0.5ug/ml

Lane 1: Human Placenta Tissue Lysate at 50ug

Lane 2: HT1080 Whole Cell Lysate at 40ug

Lane 3: SKOV Whole Cell Lysate at 40ug

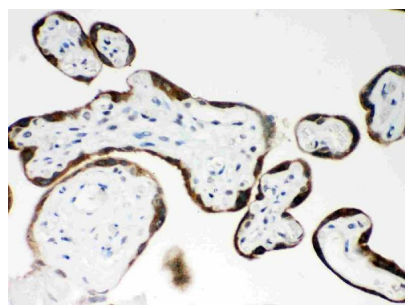
Lane 4: 22RV1 Whole Cell Lysate at 40ug

Lane 5: SW620 Whole Cell Lysate at 40ug

Lane 6: MM231 Whole Cell Lysate at 40ug

Predicted bind size: 181KD

Observed bind size: 181KD



Anti-PAPP A Picoband antibody, PB9306, IHC(P)

IHC(P): Human Placenta Tissue

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