

Rabbit PAPP A2 Polyclonal Antibody | anti-PAPPA2 antibody

PAPP A2 Antibody

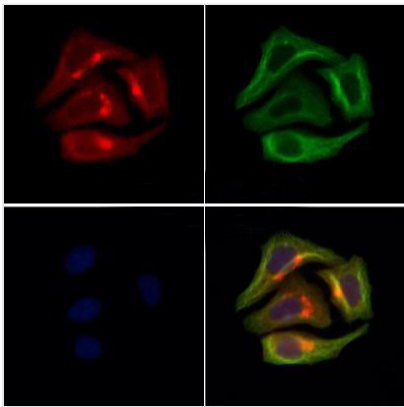
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31212	Rabbit	Human, Mouse, Rat Predicted Reactivity: Sheep(80%)	ELISA

PRODUCT SYNONYMS

PAPP A2; Polyclonal Antibody; PAPP A2 Antibody; PAPPA 2; PAPP E; PAPP-A2; PAPP-E; PAPP2_HUMAN; PAPPA2; Pappalysin 2; Pappalysin-2; PLAC3; Pregnancy associated plasma protein A2; Pregnancy associated plasma protein E1; Pregnancy-associated plasma protein A2; Pregnancy-associated plasma protein E1; anti-PAPPA2 antibody

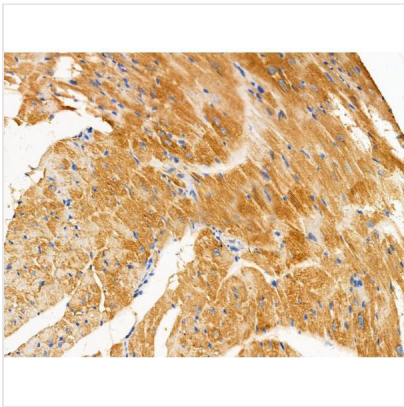
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Sheep(80%)
Clonality	Polyclonal
Isotype	IgG
Specificity	PAPP A2 Antibody detects endogenous levels of total PAPP A2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1791
Applicable Applications for anti-PAPPA2 antibody	ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human PAPP A2, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



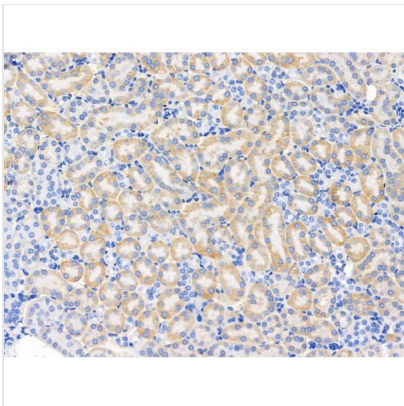
IF (Immunofluorescence)

AAA31212 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31212 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



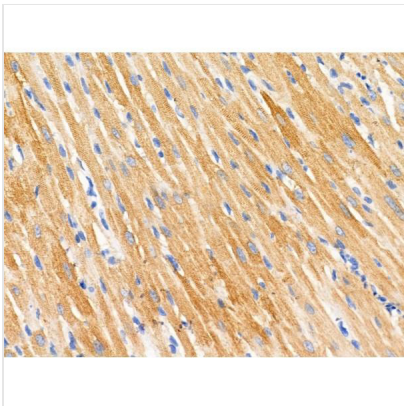
IHC (Immunohistochemistry-Paraffin)

AAA31212 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



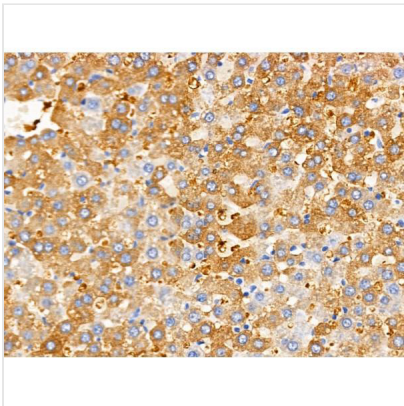
IHC (Immunohistochemistry-Paraffin)

AAA31212 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



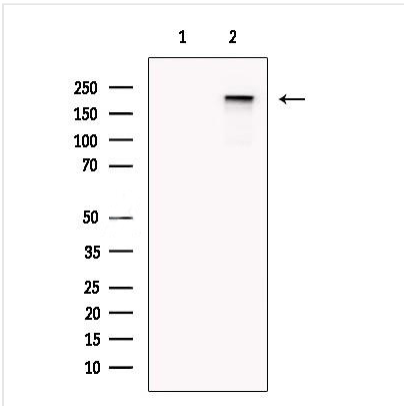
IHC (Immunohistochemistry-Paraffin)

AAA31212 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31212 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Human Heart, using PAPP A2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PAPPA2 antibody	Function: Metalloproteinase which specifically cleaves insulin-like growth factor binding protein (IGFBP)-5 at the '163-Ser-[Lys-164' bond. Shows limited proteolysis toward IGFBP-3.
	Subcellular Location: Secreted.
	Tissue Specificity: Expressed abundantly in placenta, and non-pregnant mammary gland with low expression in the kidney, fetal brain and pancreas.
	Subunit Structure: Monomer.
	Similarity: Belongs to the peptidase M43B family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116174738
NCBI GeneID	60676
NCBI Accession #	NP_064714.2
NCBI GenBank Nucleotide #	NP_064714.2
UniProt Accession #	Q9BXP8
Molecular Weight	Observed Molecular Weight: (Observed)198kD. Predicted Molecular Weight: (Calculated)199kDa.
NCBI Official Full Name	pappalysin-2 isoform 1
NCBI Official Synonym Full Names	pappalysin 2
NCBI Official Symbol	PAPPA2
NCBI Official Synonym Symbols	PAPPE; PLAC3; PAPP-E; PAPP-A2
NCBI Protein Information	pappalysin-2
UniProt Protein Name	Pappalysin-2
UniProt Gene Name	PAPPA2
UniProt Synonym Gene Names	PLAC3; PAPP-A2; PAPP-E
UniProt Entry Name	PAPP2_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.