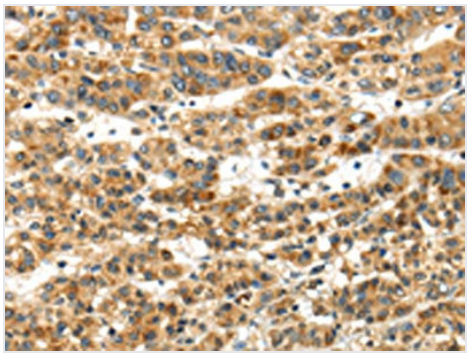
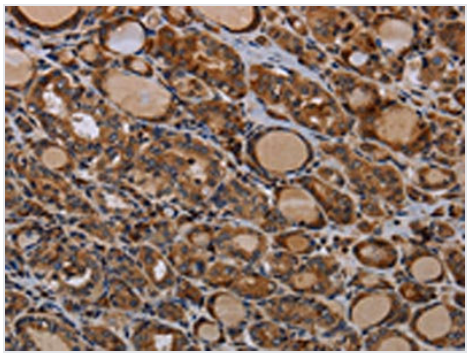
PAPPA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PAPPA, Polyclonal Antibody
Full Product Name	PAPPA Antibody
Product Gene Name	anti-PAPPA antibody
Product Synonym Names	pregnancy-associated plasma protein A; pappalysin 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	180,973 Da
OMIM	176385
3D Structure	ModBase 3D Structure for Q13219
Immunogen	Synthetic peptide of human PAPPA
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-PAPPA antibody	Cardiovascular
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PAPPA antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-PAPPA antibody	ELISA: 1:2000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-PAPPA antibody	MBS7129450 is an antibody targeting PAPPA. Also known as PAPPA Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PAPPA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-PAPPA antibody
The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using MBS7129450(PAPPA Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-PAPPA antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7129450(PAPPA Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAPPA. It may not necessarily be applicable to this product.

NCBI GI #	223590248
NCBI GeneID	5069
NCBI Accession #	Q13219.3
UniProt Primary Accession #	Q13219
UniProt Secondary Accession #	Q08371; Q68G52; Q9UDK7; B1AMF9
UniProt Related Accession #	Q13219
NCBI Official Full Name	Pappalysin-1
NCBI Official Synonym Full Names	pregnancy-associated plasma protein A, pappalysin 1
NCBI Official Symbol	PAPPA
NCBI Official Synonym Symbols	PAPA; DIPLA1; PAPP-A; PAPPA1; ASBABP2; IGFBP-4ase
UniProt Protein Name	Pappalysin-1
UniProt Synonym Protein Names	Insulin-like growth factor-dependent IGF-binding protein 4 protease; IGF-dependent IGFBP-4 protease; IGFBP-4ase; Pregnancy-associated plasma protein A
Protein Family	Pappalysin
UniProt Gene Name	PAPPA
UniProt Synonym Gene Names	IGF-dependent IGFBP-4 protease; IGFBP-4ase; PAPP-A
UniProt Entry Name	PAPP1_HUMAN
NCBI Protein Information	pappalysin-1; IGF-dependent IGFBP-4 protease; aspecific BCL2 ARE-binding protein 2; pregnacy-associated plasma protein A; differentially placenta 1 expressed protein; insulin-like growth factor-dependent IGF binding protein-4 protease; insulin-like growth
NCBI Summary for PAPPA	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. [provided by RefSeq, Jul 2008]

UniProt Comments for PAPPA	PAPPA: 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. Belongs to the peptidase M43B family. Protein type: EC 3.4.24.79; Secreted; Secreted, signal peptide; Protease Chromosomal Location of Human Ortholog: 9q33.2 Cellular Component: membrane; extracellular region Molecular Function: metallopeptidase activity; zinc ion binding; metalloendopeptidase activity Biological Process: cellular protein metabolic process; female pregnancy; cell differentiation; proteolysis
Research Articles on PAPPA	**1.** PAPPA can be used as a novel biomarker for the diagnosis of sepsis-related myocardial dysfunction and the prediction of outcomes in critically ill patients.
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