



Magic™ Anti-PAPPA monoclonal antibody, clone 8B7 (DMAB-L21018)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with purified human PAPP-A/proMBP (heterotetrameric PAPP-A, htPAPP-A) complex or purified human atherosclerotic tissue form of PAPP-A.
Antigen Description	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.
Specificity	Human PAPP-A antigen purified from placental blood (heterotetrameric complex, consisting of PAPP-A subunits and proMBP subunits).
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	8B7
Purification	Chromatography on protein A Sepharose
Conjugate	Unconjugated
Applications	dPAPP-A immunoassays and immunoprecipitation. Recommended pairs for specific detection of dPAPP-A antigen (capture - detection):DMAB-L21017 and DMAB-L21018 Selective dPAPP-A immunodetection in Western blotting.
Buffer	PBS, pH 7.4, 0.1 % sodium azide (NaN ₃)

Preservative 0.1% Sodium Azide

Storage 4°C

GENE INFORMATION

Gene Name [PAPPA pregnancy-associated plasma protein A,pappalysin 1 \[Homo sapiens \]](#)

Official Symbol PAPPA

Synonyms PAPPA; pregnancy-associated plasma protein A, pappalysin 1; PAPA; DIPLA1; PAPP-A; PAPPA1; ASBABP2; IGFBP-4ase; pappalysin-1; OTTHUMP00000022806; IGF-dependent IGFBP-4 protease; aspecific BCL2 ARE-binding protein 2; pregnancy-associated plasma protein A; differentially placenta 1 expressed protein; insulin-like growth factor-dependent IGF binding protein-4 protease; insulin-like growth factor-dependent IGF-binding protein 4 protease; Pregnancy-associated plasma protein A

Entrez Gene ID [5069](#)

Protein Refseq [NP_002572](#)

UniProt ID [Q13219](#)

Chromosome Location 9q33.2

Pathway Diabetes pathways; Regulation of Insulin-like Growth Factor (IGF) Activity by Insulin-like Growth Factor Binding Proteins (IGFBPs)

Function metal ion binding; metalloendopeptidase activity; metallopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding