



# Magic™ Anti-PAPPA monoclonal antibody, clone QBQQ3 (DMAB-L21017)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with purified human atherosclerotic tissue form of PAPP-A.
<b>Antigen Description</b>	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.
<b>Specificity</b>	Human recombinant PAPP-A and human endogenous PAPP-A from atherosclerotic tissue (dimeric form of PAPP-A). No cross-reactivity with human heterotetrameric complex of PAPP-A (PAPP-A/ proMBP).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	QBQQ3
<b>Purification</b>	Chromatography on protein A Sepharose
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	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.
<b>Buffer</b>	PBS, pH 7.4, 0.1 % sodium azide (NaN <sub>3</sub> )

Preservative	0.1% Sodium Azide
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Storage	4°C
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## GENE INFORMATION

Gene Name	<a href="#">PAPPA pregnancy-associated plasma protein A,pappalysin 1 [ Homo sapiens ]</a>
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Official Symbol	PAPPA
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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
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Entrez Gene ID	<a href="#">5069</a>
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Protein Refseq	<a href="#">NP_002572</a>
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UniProt ID	<a href="#">Q13219</a>
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Chromosome Location	9q33.2
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Pathway	Diabetes pathways; Regulation of Insulin-like Growth Factor (IGF) Activity by Insulin-like Growth Factor Binding Proteins (IGFBPs)
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Function	metal ion binding; metalloendopeptidase activity; metallopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding
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