ARG10431
anti-PAPP A antibody [5H9]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [5H9] recognizes PAPP A
Tested Reactivity	Hu
Tested Application	ELISA, WB
Specificity	This antibody is specific to proMBP subunit.
Host	Mouse
Clonality	Monoclonal
Clone	5H9
Isotype	IgG2b
Target Name	PAPP A
Species	Human
Immunogen	Human PAPP A antigen purified from placental blood (heterotetrameric complex, consisting of PAPP A subunits and proMBP subunits).
Conjugation	Un-conjugated
Alternate Names	DIPLA1; Pappalysin-1; Insulin-like growth factor-dependent IGF-binding protein 4 protease; PAPPA1; IGFBP-4ase; Pregnancy-associated plasma protein A; PAPA; IGF-dependent IGFBP-4 protease; EC 3.4.24.79; PAPP-A; ASBABP2

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4) and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5069 Human Swiss-port # Q13219 Human
Gene Symbol	PAPPA
Gene Full Name	pregnancy-associated plasma protein A, pappalysin 1
Background	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]
Function	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. [UniProt]
Calculated Mw	181 kDa
PTM	There appear to be no free sulfhydryl groups.

Images

ARG10431 anti-PAPP A antibody [5H9] WB image

Western blot: proMBP subunit of Human total PAPP-A stained with ARG10431 anti-PAPP A antibody [5H9].