

Product datasheet

Anti-PAPP A antibody [9] ab52030

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Overview

Product name	Anti-PAPP A antibody [9]
Description	Mouse monoclonal [9] to PAPP A
Host species	Mouse
Specificity	This antibody is specific for native human PAPP A. Heat and SDS denatured PAPP A is also recognized, but not acid treated PAPP A.
Tested applications	Suitable for: IHC-P, IHC-Fr
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) (Human)
Epitope	The epitope is located on the PAPP A subunit of the heterotetramer.
General notes	Clone number also known as 004-09. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: 2.9% Sodium chloride, 0.0268% PBS
Purification notes	Protein A/G purified
Clonality	Monoclonal
Clone number	9
Isotype	IgG2b

Applications

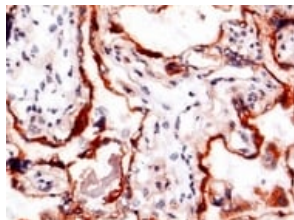
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab52030 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

Target

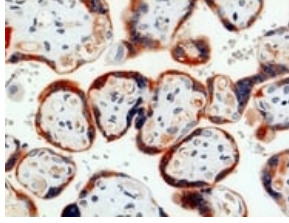
Function	Metalloproteinase which specifically cleaves IGFBP-4 and IGFBP-5, resulting in release of bound IGF. Cleavage of IGFBP-4 is dramatically enhanced by the presence of IGF, whereas cleavage of IGFBP-5 is slightly inhibited by the presence of IGF.
Tissue specificity	High levels in placenta and pregnancy serum. In placenta, expressed in X cells in septa and anchoring villi, and in syncytiotrophoblasts in the chorionic villi. Lower levels are found in a variety of other tissues including kidney, myometrium, endometrium, ovaries, breast, prostate, bone marrow, colon, fibroblasts and osteoblasts.
Sequence similarities	Belongs to the peptidase M43B family. Contains 5 Sushi (CCP/SCR) domains.
Developmental stage	Present in serum and placenta during pregnancy; levels increase throughout pregnancy.
Post-translational modifications	There appear to be no free sulfhydryl groups.
Cellular localization	Secreted.

Images



Ab52030 staining human PAPP A in human placenta tissue by immunohistochemistry using frozen tissue. Staining (red-brown) is restricted to the syncytiotrophoblast of the chorionic villi.

Immunohistochemistry (Frozen sections) - Anti-PAPP A antibody [9] (ab52030)



Ab52030 staining human PAPP A in human placenta tissue by immunohistochemistry using paraffin embedded tissue. Staining (red-brown) is restricted to the syncytiotrophoblast of the chorionic villi.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAPP A antibody [9] (ab52030)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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