

Product datasheet

Anti-PAPP A antibody [18A10] ab10196

[1 References](#) [1 Image](#)

Overview

Product name	Anti-PAPP A antibody [18A10]
Description	Mouse monoclonal [18A10] to PAPP A
Host species	Mouse
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human
Immunogen	Purified human PAPP A antigen
General notes	Concentration varies from lot to lot and can be provided on request.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
Purity	Protein A purified
Purification notes	Purified by chromatography on protein A. Purity tested by electrophoresis
Clonality	Monoclonal
Clone number	18A10
Myeloma	Sp2/0
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab10196** 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
WB		

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ELISA

Application notes

ELISA: Use at an assay dependent dilution.

WB: Use at an assay dependent dilution. Detects a band of approximately 200 kDa under reducing conditions. (predicted molecular weight: 195 kDa).

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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.

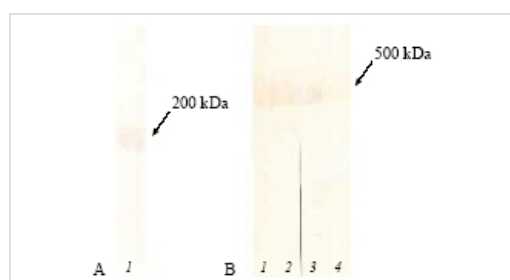
Post-translational modifications

There appear to be no free sulfhydryl groups.

Cellular localization

Secreted.

Images



Western blot - PAPP A antibody [18A10] (ab10196)

Detection of human PAPP-A by ab10196 in

Western Blotting. A. ab10196 recognizes

PAPP-A subunit after SDS-gel

electrophoresis in reducing conditions

(gradient gel 5 % – 15 %) B. ab10196

recognizes heterotetrameric complex

(gradient gel 2.5 % – 10 %)

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