10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

PAPLN Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1859a

Specification

PAPLN Antibody - Product Information

Application	**E, WB**
Primary Accession	O95428
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**137.7kDa KDa**

Description
Papilin is an extracellular matrix glycoprotein involved in, thin matrix layers during gastrulation, matrix associated with wandering, phagocytic hemocytes, basement membranes and space-filling matrix during Drosophila development.Determination of its cDNA sequence led to the identification of Caenorhabditis and mammalian papilins. A distinctly conserved 'papilin cassette' of domains at the amino-end of papilins is also the carboxyl-end of the ADAMTS subgroup of secreted, matrix-associated metalloproteinases; this cassette contains one thrombospondin type 1 (TSR) domain, a specific cysteine-rich domain and several partial TSR domains. In vitro, papilin non-competitively inhibits procollagen N-proteinase, an ADAMTS metalloproteinase.

Immunogen
Purified recombinant fragment of human PAPLN (AA: 766-870) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

PAPLN Antibody - Additional Information

Gene ID 89932

Other Names
Papilin, PAPLN

Dilution
E~~1/10000
WB~~1/500 - 1/2000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PAPLN Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PAPLN Antibody - Protein Information

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Name PAPLN

Cellular Location
Secreted.

PAPLN Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

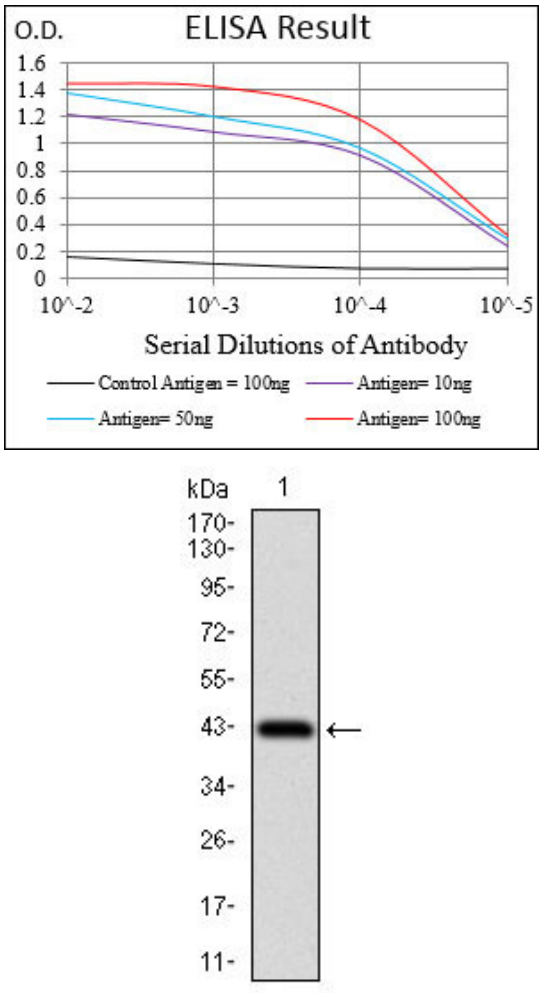


Figure 1: Western blot analysis using PAPLN mAb against human PAPLN recombinant protein. (Expected MW is 36.4 kDa)

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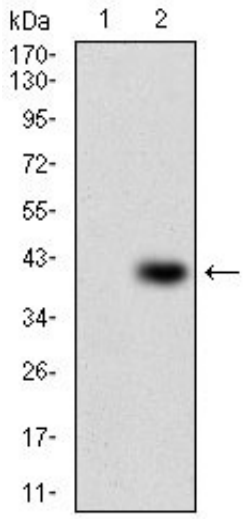


Figure 2: Western blot analysis using PAPLN mAb against HEK293 (1) and PAPLN (AA: 766-870)-hIgGFc transfected HEK293 (2) cell lysate.

PAPLN Antibody - Background

Papilin is an extracellular matrix glycoprotein involved in, thin matrix layers during gastrulation, matrix associated with wandering, phagocytic hemocytes, basement membranes and space-filling matrix during Drosophila development.Determination of its cDNA sequence led to the identification of Caenorhabditis and mammalian papilins. A distinctly conserved 'papilin cassette' of domains at the amino-end of papilins is also the carboxyl-end of the ADAMTS subgroup of secreted, matrix-associated metalloproteinases; this cassette contains one thrombospondin type 1 (TSR) domain, a specific cysteine-rich domain and several partial TSR domains. In vitro, papilin non-competitively inhibits procollagen N-proteinase, an ADAMTS metalloproteinase. ; ;

PAPLN Antibody - References

1. Int J Biochem Cell Biol. 2004 Jun; 36(6):1079-84. 2. Development. 2000 Dec;127(24):5475-85.