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PAPLN Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1859a

Product Information

Application	WB, E
Primary Accession	O95428
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	5F2D10
Isotype	IgG1
Calculated MW	137700
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

Additional Information

Gene ID	89932
Other Names	Papilin, PAPLN
Dilution	WB~~1/500 - 1/2000 E~~1/10000
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.

Protein Information

Name	PAPLN
Cellular Location	Secreted.

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. ; ;

References

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

Images

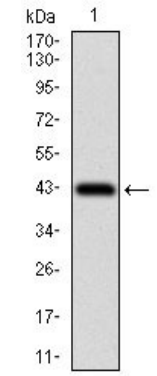

Figure 1: Western blot analysis using PAPLN mAb against human PAPLN recombinant protein. (Expected MW is 36.4 kDa)

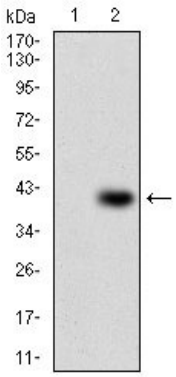

Figure 2: Western blot analysis using PAPLN mAb against HEK293 (1) and PAPLN (AA: 766-870)-hIgGFc transfected HEK293 (2) cell lysate.