

For Research Use Only

EMILIN1 Polyclonal antibody

Catalog Number: 10643-1-AP

1 Publications



Basic Information

Catalog Number: 10643-1-AP	GenBank Accession Number: BC007530	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 240 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11117	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9Y6C2	IHC 1:50-1:500
Isotype: IgG	Full Name: elastin microfibril interfacer 1	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG1016	Calculated MW: 107 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : human kidney tissue, human brain tissue, human placenta tissue
Species Specificity: human	IHC : human colon tissue, human heart tissue, human kidney tissue, human ovary tissue, human ovary tumor tissue, human placenta tissue, human skin tissue, human spleen tissue, human testis tissue
Cited Species: human	IF/ICC : SKOV-3 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

EMILIN1, also named EMILIN, EMILIN-1, gp115 and EMI, may be responsible for anchoring smooth muscle cells to elastic fibers, and may be involved not only in the formation of the elastic fiber, but also in the processes that regulate vessel assembly. It has cell adhesive capacity. EMILIN1 is a negative regulator of the transforming growth factor-beta (TGF-beta) signaling, which is involved in blood pressure (BP) homeostasis (PMID:20186130). EMILIN1 may play a key role in hypertensive vascular remodeling. TGFβ proteins are the main regulators of blood vessel development and maintenance, and EMILIN1 inhibits TGFβ signaling by binding specifically to the proTGFβ precursor and preventing its maturation by furin convertases in the extracellular space (PMID:19922630).

Notable Publications

Author	Pubmed ID	Journal	Application
Genee Y Lee	24755469	Cancer Res	WB

Storage

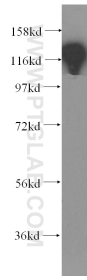
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

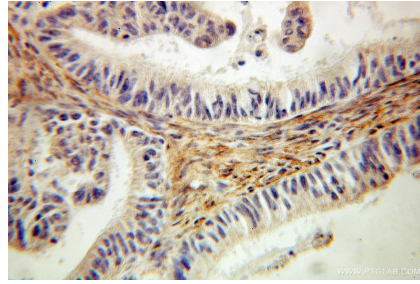
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

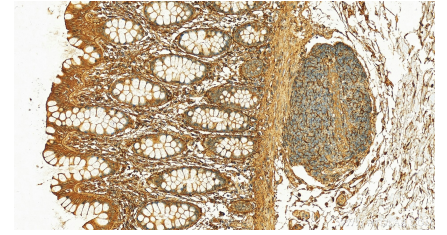
Selected Validation Data



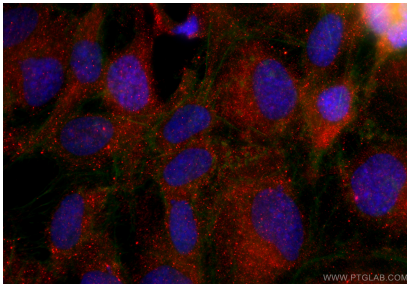
human kidney tissue were subjected to SDS PAGE followed by western blot with 10643-1-AP (EMILIN1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10643-1-AP (EMILIN1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10643-1-AP (EMILIN1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SKOV-3 cells using EMILIN1 antibody (10643-1-AP) at dilution of 1:400 and CoraLite@594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).