

For Research Use Only

LAMA4 (Isoform 3) Polyclonal antibody



Catalog Number: 10465-1-AP **6 Publications**

Basic Information

Catalog Number: 10465-1-AP	GenBank Accession Number: BC004241	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 3910	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q16363	
Isotype: IgG	Full Name: laminin, alpha 4	
Immunogen Catalog Number: AG0736	Calculated MW: 13 kDa	
	Observed MW: 11-13 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : human heart tissue, human skeletal muscle tissue IHC : human ovary tissue,
Cited Applications: WB, IHC	
Species Specificity: human	
Cited Species: human, mouse	
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

Laminin is a basement membrane glycoprotein composed of three nonidentical chains, A, B1, and B2 (PMID: 7959779). LAMA4 (laminin, alpha 4), an A chain variant, is a subunit of laminin-8 (laminin-411), laminin-9 (laminin-421) and laminin-14 (laminin-423) (PMID: 10842354; 10964957). LAMA4 is widely distributed in developing and adult human tissues, and mainly localized to mesenchyme-derived tissues (PMID: 12133914). It may have a role in formation and function of endothelium, transmigration of inflammatory cells through endothelium, and invasion of certain tumors (PMID: 17533363). Three alternatively spliced mRNAs give rise to three isoforms. This antibody was generated against the full length (1-120aa) of isoform 3.

Notable Publications

Author	Pubmed ID	Journal	Application
Katsutaka Mitachi	33753854	Sci Rep	IHC
Zhi-Xue Yang	29434522	Cancer Cell Int	WB, IHC
Li Lin	33635162	Am J Physiol Heart Circ Physiol	IHC

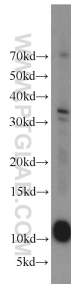
Storage

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

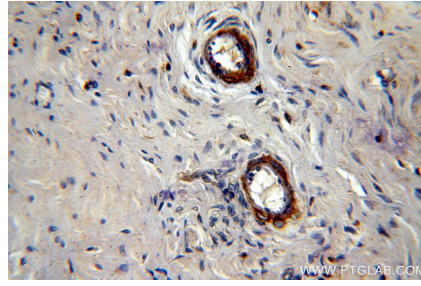
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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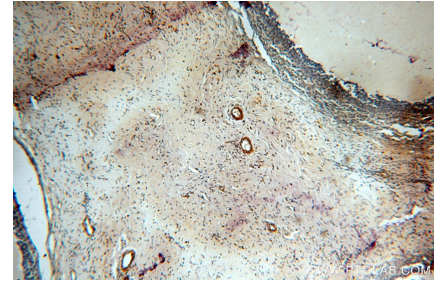
Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 10465-1-AP (LAMA4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary using 10465-1-AP (LAMA4 antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human ovary using 10465-1-AP (LAMA4 antibody) at dilution of 1:100 (under 10x lens).