

For Research Use Only

LMOD1 Monoclonal antibody, PBS Only

Catalog Number: 60414-1-PBS



Basic Information

Catalog Number:	60414-1-PBS	GenBank Accession Number:	BC001755	Purification Method:	Protein G purification
Size:	1 mg/ml	GeneID (NCBI):	25802	CloneNo.:	1D6H2
Source:	Mouse	UNIPROT ID:	P29536		
Isotype:	IgG1	Full Name:	leiomodin 1 (smooth muscle)		
Immunogen Catalog Number:	AG7568	Calculated MW:	67 kDa		
		Observed MW:	75 kDa		

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
human, mouse, rat, pig, rabbit

Background Information

LMOD1 was initially identified as a 64-kDa autoantigen in an expression screen with sera from patients with Hashimoto's thyroiditis. Recently immunohistochemistry and immunoblotting of LMOD1 demonstrated its highly restrictive pattern of expression in SMC lineages, like adult aorta, and bladder. LMOD1 is also shown to exhibit an embryonic and adult expression pattern. These data identify LMOD1 as a new SMC-restricted gene associated with the SMC differentiated phenotype.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

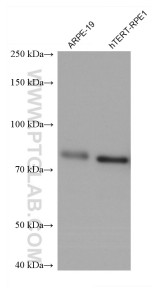
T: 4006900926

E: Proteintech-CN@ptglab.com

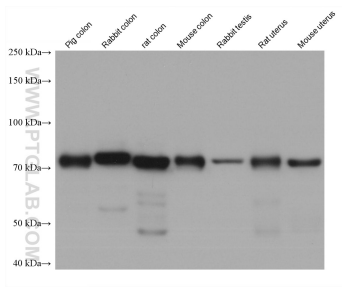
W: ptgcn.com

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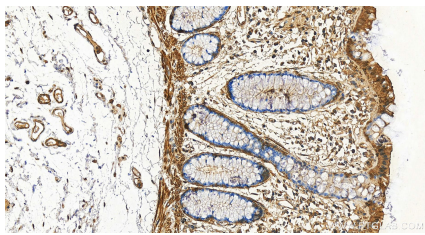
Selected Validation Data



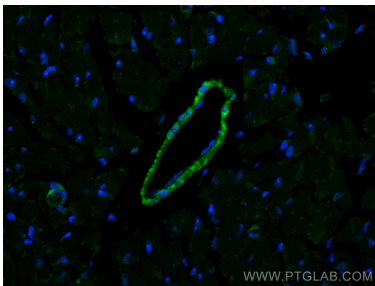
Various lysates were subjected to SDS PAGE followed by western blot with 60414-1-Ig (LMOD1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60414-1-PBS in a different storage buffer formulation.



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Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 60414-1-Ig (LMOD1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60414-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using LMOD1 antibody (60414-1-Ig, Clone: 1D6H2) at dilution of 1:2000 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60414-1-PBS in a different storage buffer formulation.