

LMOD1 Polyclonal Antibody

Catalog number: 15117-1-AP

Size: 40 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

LMOD1; 1D, 64 kDa

autoantigen 1D, 64 kDa

autoantigen 1D3, 64 kDa

autoantigen D1, 64kD, D1,

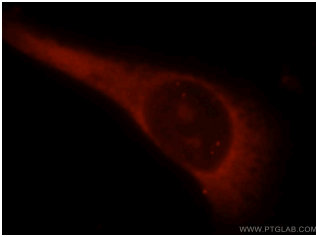
FLJ55689, Leiomodin 1,

leiomodin 1 (smooth muscle),

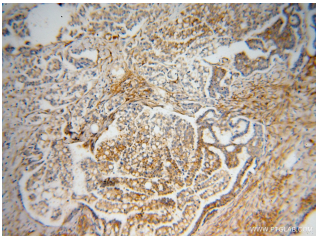
Leiomodin, muscle form,

LMOD1, SM LMOD, Smooth

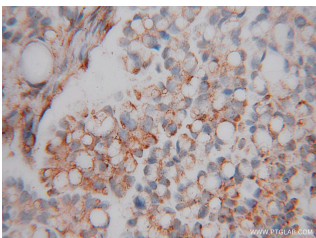
muscle leiomodin



Immunofluorescent analysis of A375 cells, using LMOD1 antibody 15117-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human ovary tumor using 15117-1-AP(LMOD1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human ovary tumor using 15117-1-AP(LMOD1 antibody) at dilution of 1:50 (under 40x lens)

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated LMOD1 MW:	67 kDa
Observed LMOD1 MW:	85kd or 64kd
Positive WB detected in	Human skeletal muscle tissue, HeLa cells, mouse bladder tissue, mouse skeletal muscle tissue, mouse uterus tissue
Positive IP detected in	Mouse skeletal muscle tissue
Positive IHC detected in	Human ovary tumor tissue
Positive IF detected in	A375 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

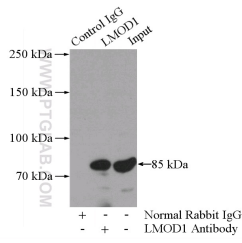
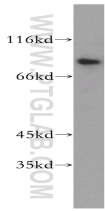
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag7176
GenBank accession number:	BC001755
Gene ID (NCBI):	25802
Full name:	Leiomodin 1 (smooth muscle)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 15117-1-AP(LMOD1 antibody) at dilution of 1:300

IP Result of anti-LMOD1 (IP:15117-1-AP, 4ug; Detection:15117-1-AP 1:700) with mouse skeletal muscle tissue lysate 3600ug.