

SYNM Polyclonal antibody

Catalog Number: 20735-1-AP

2 Publications

Basic Information

Catalog Number:

20735-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015286

GeneID (NCBI):

23336

UNIPROT ID:

O15061

Full Name:

synemin, intermediate filament protein

Calculated MW:

173 kDa

Observed MW:

170-180 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Y79 cells, human skeletal muscle tissue

IHC : human skeletal muscle tissue, human bladder tissue, human heart tissue

IF/ICC : HeLa cells,

Background Information

SYNM, also named as DMN, KIAA0353 and SYN, belongs to the intermediate filament family. SYNM is a Type-VI intermediate filament (IF) which plays an important cytoskeletal role within the muscle cell cytoskeleton. It forms heteropolymeric IFs with desmin and/or vimentin, and via its interaction with cytoskeletal proteins alpha-dystrobrevin, dystrophin, talin-1, utrophin and vinculin, is able to link these heteropolymeric IFs to adherens-type junctions, such as to the costameres, neuromuscular junctions, and myotendinous junctions within striated muscle cells. The antibody can't recognize isoform 2 or 3 of SYNM.

Notable Publications

Author	Pubmed ID	Journal	Application
Siyu Chen	35361267	J Ovarian Res	IHC
Madeline G Andrews	33469577	bioRxiv	IF

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

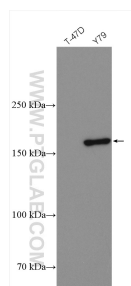
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

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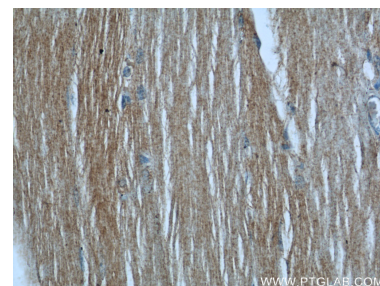
Selected Validation Data



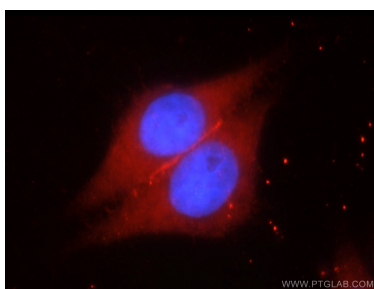
Y79 cells were subjected to SDS PAGE followed by western blot with 20735-1-AP (SYNM antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. SYNM gene methylation in T-47D cells causes gene silencing.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 20735-1-AP (SYNM antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 20735-1-AP (SYNM antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 20735-1-AP (SYNM antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.