

Anti-DMN / Desmuslin / Synemin Antibody (aa329-580, clone 2F4)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17324

Product Information

Application	IHC-P
Primary Accession	O15061
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	2F4
Calculated MW	172868
Concentration (mg/ml)	1 mg/ml

Additional Information

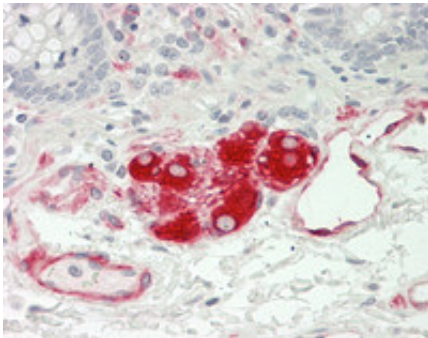
Gene ID	23336
Alias Symbol Other Names	SYNM SYNM, Desmuslin, KIAA0353, SYN, Synemin beta, Synemin, DMN, Synemin alpha
Target/Specificity	Human DMN / Desmuslin / Synemin
Reconstitution & Storage	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide Store at -20°C. Minimize freezing and thawing.
Precautions	Anti-DMN / Desmuslin / Synemin Antibody (aa329-580, clone 2F4) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

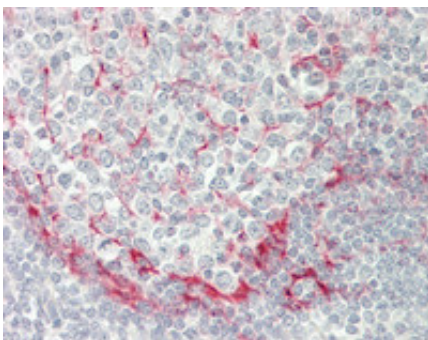
Name	SYNM (HGNC:24466)
Synonyms	DMN, KIAA0353, SYN
Function	Type-VI intermediate filament (IF) which plays an important cytoskeletal role within the muscle cell cytoskeleton. It forms heteromeric IFs with desmin and/or vimentin, and via its interaction with cytoskeletal proteins alpha-dystrobrevin, dystrophin, talin-1, utrophin and vinculin, is able to link these heteromeric IFs to adherens-type junctions, such as to the costameres, neuromuscular junctions, and myotendinous junctions within striated muscle cells.

Cellular Location	Cytoplasm, cytoskeleton. Cell junction, adherens junction. Note=There are at least two distinct SYNM subpopulations, one in which SYMN interacts with DES within the Z-lines, and another in which it interacts with both DTNA and DES at the costamere
Tissue Location	Isoform 2 is strongly detected in adult heart, fetal skeletal muscles and fetal heart. Isoform 1 is weakly detected in fetal heart and also in fetal skeletal muscle. Isoform 1 and isoform 2 are detected in adult bladder (at protein level). The mRNA is predominantly expressed in heart and muscle with some expression in brain which may be due to tissue-specific isoforms

Images



Human Colon, Submucosa: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.