

Anti-DMN / Desmuslin / Synemin Antibody (aa329-580, clone 2F4)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17324**Specification**

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

Application	IHC-P
Primary Accession	O15061
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	172868

Anti-DMN / Desmuslin / Synemin Antibody (aa329-580, clone 2F4) - Additional Information**Gene ID** 23336**Alias Symbol** SYNM**Other Names**

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.

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

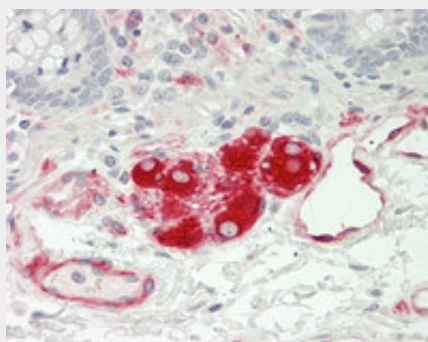
Isoform 2 is strongly detected in adult heart, fetal skeletal muscles and fetal heart. Isoform 1 is weakly detected in fetal heart and also in fetal skeletal muscle. Isoform 1 and isoform 2 are detected in adult bladder (at protein level). The mRNA is predominantly expressed in heart and muscle with some expression in brain which may be due to tissue-specific isoforms

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

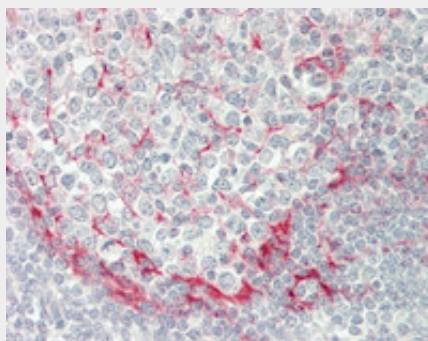
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



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



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