

## Synemin Rabbit pAb

CatalogNo: YN6666

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB

#### MW

- 172kD (Calculated)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human SYNM

**Specificity** This antibody detects endogenous levels of SYNM at Human, Mouse

### Target Information

**Gene name** SYNM DMN KIAA0353 SYN

Protein Name	Synemin (Desmuslin)		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">23336</a> ;	<a href="#">O15061</a> ;
	Mouse	<a href="#">233335</a> ;	<a href="#">Q70IV5</a> ;
Cellular Localization	Cytoplasm, cytoskeleton. Cell junction, adherens junction. 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 specificity	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.		
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.		

## | Validation Data

## | Contact information

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**Synemin Rabbit pAb**

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