



Rabbit Anti-MYOM2 antibody

SL9864R

Product Name:	MYOM2
Chinese Name:	肌间蛋白2抗体
Alias:	165 kDa connectin associated protein; 165 kDa connectin-associated protein; 165 kDa titin associated protein; 165 kDa titin-associated protein; M band protein; M protein; M-protein; MYOM 2; MYOM2; MYOM2_HUMAN; Myomesin (M protein) 2 (165kD); Myomesin (M protein) 2 165kDa; Myomesin (M protein) 2; Myomesin 2; Myomesin family member 2; Myomesin-2; Titin associated protein 165 kD; Titin associated protein; TTNAP.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	165kDa
Cellular localization:	The nucleuscytoplasmicThe cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MYOM2:261-360/1465
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Myomesin-1 and myomesin-2 are components of the vertebrate myofibrillar M band and are associated with Titin, Myosin and Connectin. The myomesin proteins are

responsible for the formation of a head structure on one end of the Titin string that connects the Z and M bands of the sarcomere. Myomesin-1 and -2 have unique N-terminal domains and are expressed mainly in skeletal muscle.

Function:

Major component of the vertebrate myofibrillar M band. Binds myosin, titin, and light meromyosin. This binding is dose dependent.

Subunit:

Interacts with TTN/titin (By similarity).

Tissue Specificity:

Major component of the vertebrate myofibrillar M band. Binds myosin, titin, and light meromyosin. This binding is dose dependent.

Similarity:

Contains 5 fibronectin type-III domains.

Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

P54296

Gene ID:

9172

Database links:

[Entrez Gene: 9172](#)Human

[Entrez Gene: 17930](#)Mouse

[Omim: 603509](#)Human

[SwissProt: P54296](#)Human

[SwissProt: Q14BI5](#)Mouse

[Unigene: 443683](#)Human

[Unigene: 720741](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.