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Anti-MYOM2 Antibody

Catalog # AP51375

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P54296
Reactivity	Human, Mouse, Rat, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	164869

Additional Information

Gene ID	9172
Other Names	Myomesin-2; 165 kDa connectin-associated protein; 165 kDa titin-associated protein; M-protein; Myomesin family member 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MYOM2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

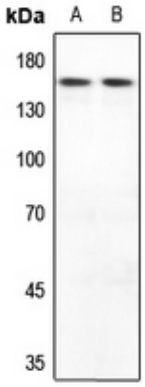
Protein Information

Name	MYOM2
Function	Major component of the vertebrate myofibrillar M band. Binds myosin, titin, and light meromyosin. This binding is dose dependent.
Cellular Location	Cytoplasm, myofibril, sarcomere, M line

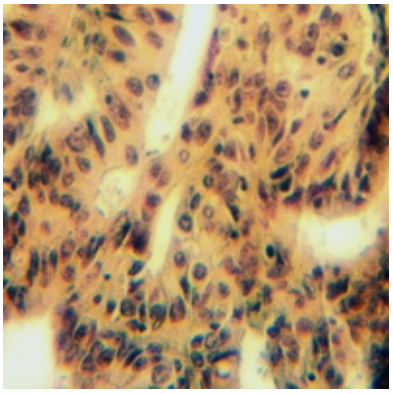
References

Vinkemeier U.,et al.J. Cell Sci. 106:319-330(1993).
Nusbaum C.,et al.Nature 439:331-335(2006).

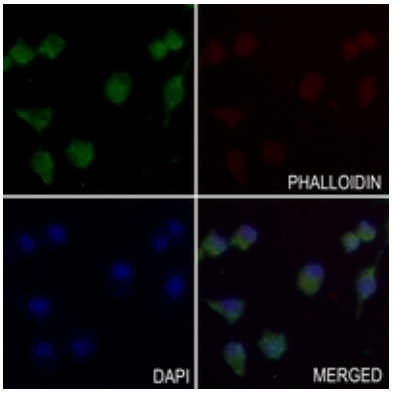
Images



Western blot analysis of MYOM2 expression in mouse heart (A), rat heart (B) whole cell lysates. (Predicted band size: 164 kD; Observed band size: 165 kD)



Immunohistochemical analysis of MYOM2 staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MYOM2 staining in A2780 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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