



# Myomesin-2 Polyclonal Antibody

|                           |   |
|---------------------------|---|
| <b>Catalog No</b>         | BYab-03163  |
| <b>Isotype</b>            | IgG   |
| <b>Reactivity</b>         | Human;Mouse;Monkey  |
| <b>Applications</b>       | WB;ELISA;IHC  |
| <b>Gene Name</b>          | MYOM2   |
| <b>Protein Name</b>       | Myomesin-2  |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human MYOM2. AA range:612-661   |
| <b>Specificity</b>        | Myomesin-2 Polyclonal Antibody detects endogenous levels of Myomesin-2 protein.   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Source</b>             | Polyclonal, Rabbit,IgG  |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Dilution</b>           | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000  |
| <b>Concentration</b>      | 1 mg/ml   |
| <b>Purity</b>             | ≥90%  |
| <b>Storage Stability</b>  | -20°C/1 year  |
| <b>Synonyms</b>           | MYOM2; Myomesin-2; 165 kDa connectin-associated protein; 165 kDa titin-associated protein; M-protein; Myomesin family member 2  |
| <b>Observed Band</b>      | 165kD   |
| <b>Cell Pathway</b>       | Cytoplasm, myofibril, sarcomere, M line .   |
| <b>Tissue Specificity</b> | PNS,Skeletal muscle,  |
| <b>Function</b>           | function: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.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Interacts with TTN/titin.,  |
| <b>Background</b>         | The giant protein titin, together with its associated proteins, interconnects the major structure of sarcomeres, the M bands and Z discs. The C-terminal end of the titin string extends into the M line, where it binds tightly to M-band constituents of apparent molecular masses of 190 kD and 165 kD. The predicted MYOM2 protein contains 1,465 amino acids. Like MYOM1, MYOM2 has a unique |

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N-terminal domain followed by 12 repeat domains with strong homology to either fibronectin type III or immunoglobulin C2 domains. Protein sequence comparisons suggested that the MYOM2 protein and bovine M protein are identical. [provided by RefSeq, Jul 2008],

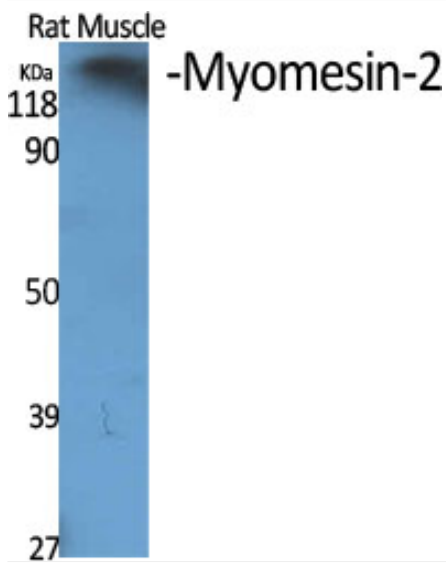
**matters needing attention**

Avoid repeated freezing and thawing!

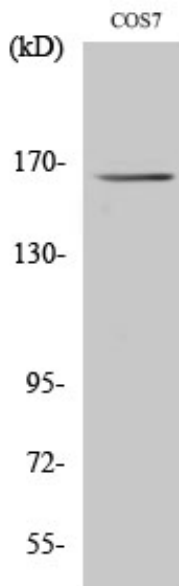
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

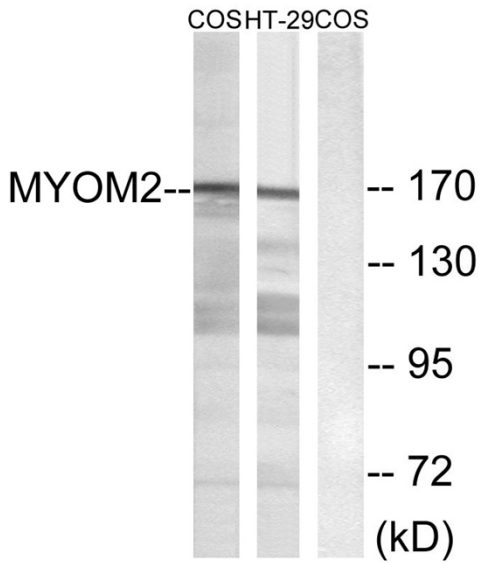


Western Blot analysis of various cells using Myomesin-2 Polyclonal Antibody diluted at 1:500

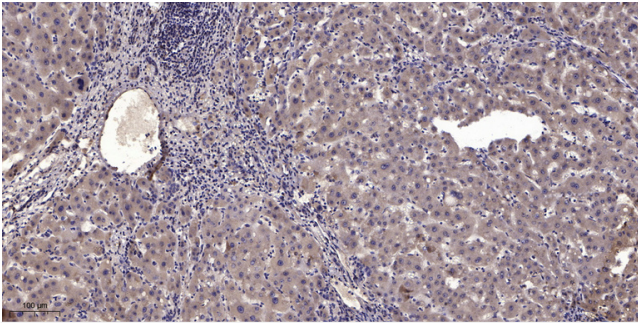


Western Blot analysis of HT29 cells using Myomesin-2 Polyclonal Antibody diluted at 1:500

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Western blot analysis of lysates from COS7 and HT-29 cells, using MYOM2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).