



# Myogenin (ABT-MYOG) mouse mAb

|                           |                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-15284                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>         | Human                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>       | IHC;IF                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>          | MYOG BHLHC3 MYF4                                                                                                                                                                                                                                                                                                |
| <b>Protein Name</b>       | Myogenin (Class C basic helix-loop-helix protein 3) (bHLHc3) (Myogenic factor 4) (Myf-4)                                                                                                                                                                                                                        |
| <b>Immunogen</b>          | Synthesized peptide derived from human Myogenin                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>        | This antibody detects endogenous levels of human Myogenin. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section                                                                                                                    |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                         |
| <b>Source</b>             | Mouse, Monoclonal/IgG1, Kappa                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>       | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                      |
| <b>Dilution</b>           | IHC-p 1:100-500. IF 1:50-200                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>           |                                                                                                                                                                                                                                                                                                                 |
| <b>Observed Band</b>      |                                                                                                                                                                                                                                                                                                                 |
| <b>Cell Pathway</b>       | Nucleus. Recruited to late myogenic gene promoter regulatory sequences with SMARCA4/BRG1/BAF190A and SWI/SNF chromatin-remodeling enzymes to promote chromatin-remodeling and transcription initiation in developing embryos.                                                                                   |
| <b>Tissue Specificity</b> | Eye,Skeletal muscle,                                                                                                                                                                                                                                                                                            |
| <b>Function</b>           | function:Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,subunit:Efficient DNA binding requires dimerization with another bHLH protein., |
| <b>Background</b>         | Myogenin is a muscle-specific transcription factor that can induce myogenesis in a variety of cell types in tissue culture. It is a member of a large family of proteins related by sequence homology, the helix-loop-helix (HLH) proteins. It is essential                                                     |

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for the development of functional skeletal muscle. [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.

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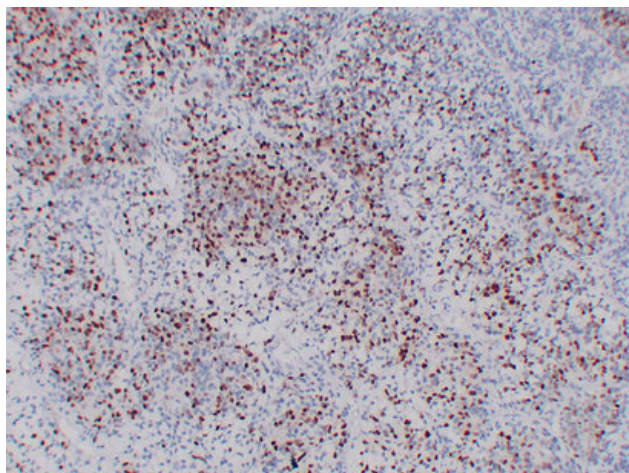
网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

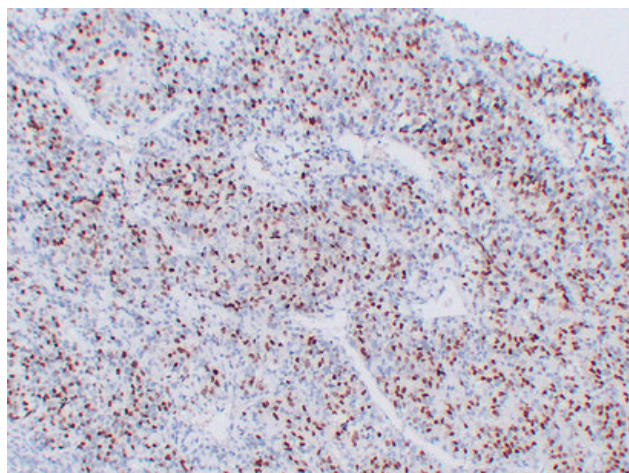
监督电话: 15950492658



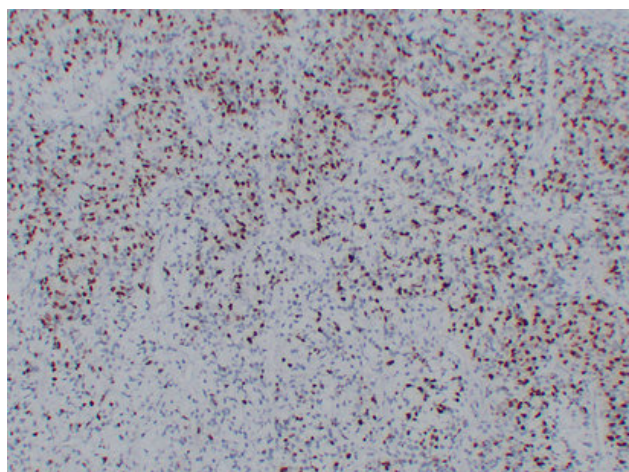
## Products Images



Immunohistochemical analysis of paraffin-embedded Rhabdomyosarcoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

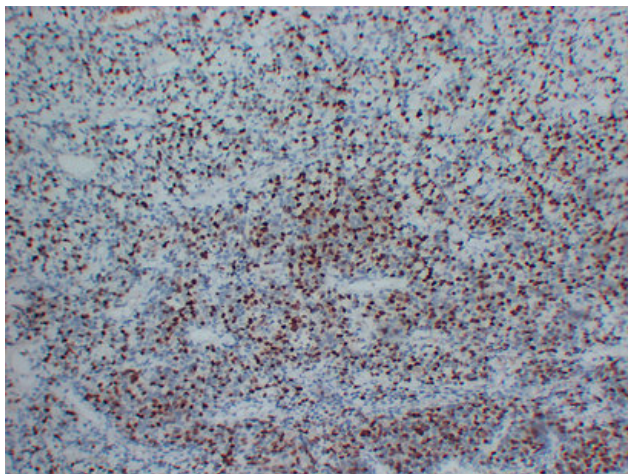


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