



Myogenin (ABT-MYOG) mouse mAb

Catalog No	YP-Ab-15284
Isotype	IgG
Reactivity	Human
Applications	IHC;IF
Gene Name	MYOG BHLHC3 MYF4
Immunogen	Synthesized peptide derived from human Myogenin
Specificity	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
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MYOG;Myf-4;MYF4;Myf 4;Class C basic helix-loop-helix protein 3;Myogenin; MYOG BHLHC3 MYF4;Myogenin (Class C basic helix-loop-helix protein 3) (bHLHc3) (Myogenic factor 4) (Myf-4)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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. .
Tissue Specificity	Eye,Skeletal muscle,
Function	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.,

**Background**

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 for the development of functional skeletal muscle. [provided by RefSeq, Jul 2008],

matters needing attention

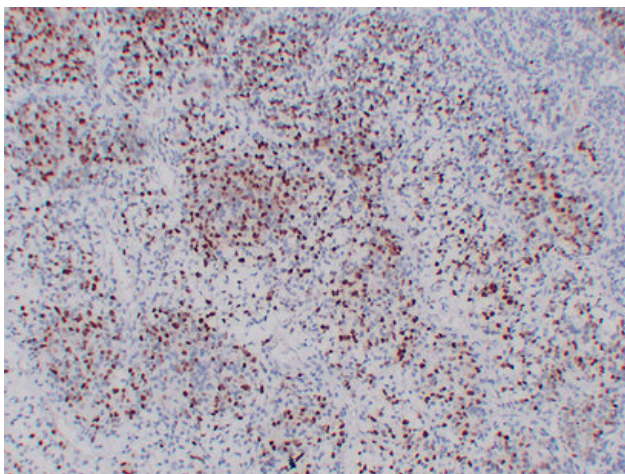
Avoid repeated freezing and thawing!

Usage suggestions

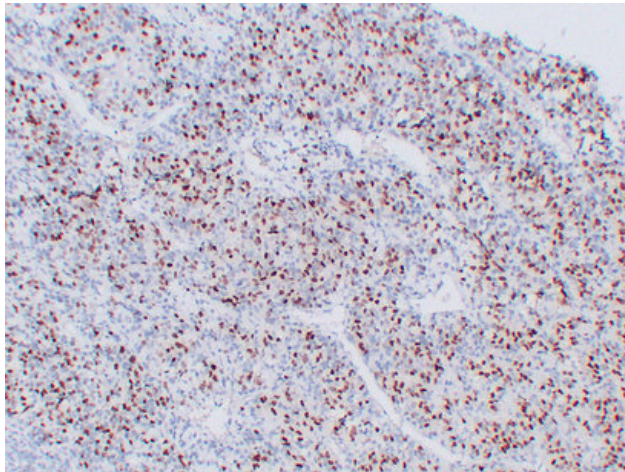
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



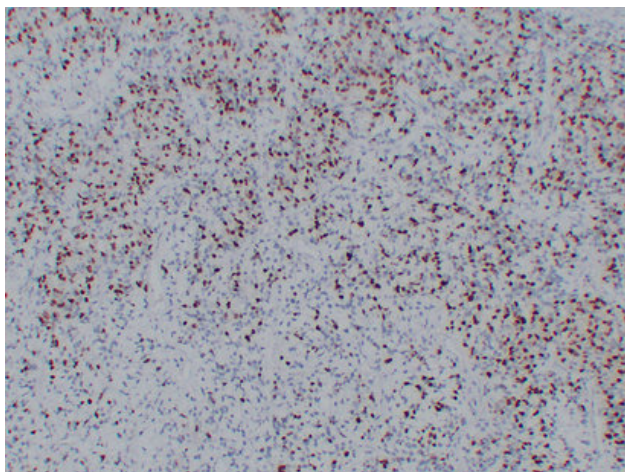
Products Images



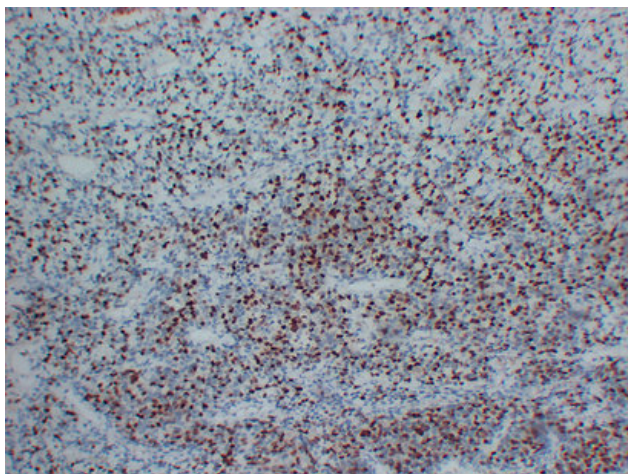
Immunohistochemical analysis of paraffin-embedded Rhabdomyosarcoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Citric acid ,pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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