



## Myogenin Polyclonal Antibody

| Catalog No         | BYab-01887  |
|--------------------|---|
| Isotype            | lgG   |
| Reactivity         | Human;Mouse;Rat;Pig(Test by out customer);Pig   |
| Applications       | WB;IHC;IF;ELISA   |
| Gene Name          | MYOG  |
| Protein Name       | Myogenin  |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human<br>Myogenin. AA range:50-99   |
| Specificity        | Myogenin Polyclonal Antibody detects endogenous levels of Myogenin protein.   |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| Source             | Polyclonal, Rabbit,IgG  |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution           | IHC-p: 100-300.WB: 1/500 - 1/2000. ELISA: 1/10000 IF 1:50-200   |
| Concentration      | 1 mg/ml   |
| Purity             | ≥90%  |
| Storage Stability  | -20°C/1 year  |
| Synonyms           | MYOG; BHLHC3; MYF4; Myogenin; Class C basic helix-loop-helix protein 3;<br>bHLHc3; Myogenic factor 4; Myf-4   |
| Observed Band      | 39kD  |
| 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<br>to differentiate into myoblasts. Probable sequence specific DNA-binding<br>protein.,similarity:Contains 1 basic helix-loop-helix (bHLH)<br>domain.,subunit:Efficient DNA binding requires dimerization with another bHLH<br>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  |
|                    | Nanjing BYabscience technology Co.,Ltd  |

## Nanjing BYabscience technology Co.,Ltd

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related by sequence homology, the helix-loop-helix (HLH) proteins. It is essential<br/>for the development of functional skeletal muscle. [provided by RefSeq, Jul 2008],matters needing<br/>attentionAvoid repeated freezing and thawing!Usage suggestionsThis product can be used in immunological reaction related experiments. For<br/>more information, please consult technical personnel.

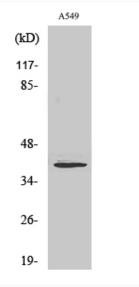
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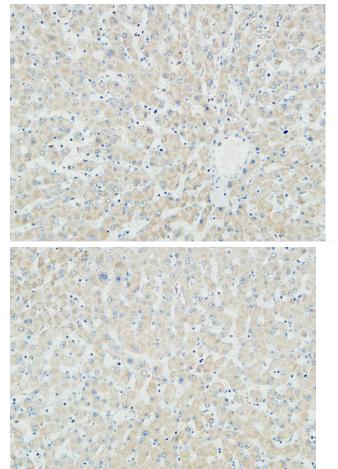
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## **Products Images**



Western Blot analysis of various cells using Myogenin Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded Human liver. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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Immunohistochemical analysis of paraffin-embedded Human Fallopian tube. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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