

**Rabbit Anti-RBM24 Polyclonal: RC0296**

**Intended Use:** For Research Use Only

**Description:** RNA-binding proteins have a pivotal role in post-transcriptionally regulating gene expression. During early development they exhibit temporally and spatially regulated expression pattern, and affect the proteome of a single cell by controlling alternative splicing, transport, localization, and stability of their target RNAs. Their expression is tissue-specific, and their crucial influence on the protein set-up especially in muscle cells has become recognized recently. RBM24 is one RNA-binding protein and plays a fundamental role in regulating cardiac gene expression, sarcomeric assembly, and cardiac contractility and may thus represent a novel pathway to cardiomyopathy. RBM24 Plays a role in myogenic differentiation by regulating MYOG levels. Binds to the 3'-UTR of MYOG mRNA and regulates its stability. 2 isoforms of the human protein are produced by alternative splicing.

**Specifications**

Clone: Polyclonal  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human, mouse, rat  
 Immunogen: RNA binding motif protein 24  
 Localization: Cytoplasm, nucleus  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, ELISA  
 Package:

Description	Catalog No.	Size
RBM24 Polyclonal Concentrated	RC0296	1 ml

**IHC Procedure\***

Positive Control Tissue: Skeletal muscle tissue  
 Concentrated Dilution: 10-50  
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: Overnight @ 4°C  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human skeletal muscle tissue stained with anti-RBM24 using DAB

**References:**

1. RNA-Binding Protein Rbm24 as a Multifaceted Post-Transcriptional Regulator of Embryonic Lineage Differentiation and Cellular Homeostasis. Raphaëlle Grifone, et al. Cells. Aug; 9(8): 1891, 2020.
2. RNA-binding protein RBM24 is required for sarcomere assembly and heart contractility. Kar Lai Poon, et al. Cardiovascular Research, Volume 94, Issue 3, Pages 418–427, 2012.

Doc. 100-RC0296  
Rev. A