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# Myosin Heavy Chain, Smooth Muscle (SMMHC/MYH11) Rabbit mAb

**货号: AYT1082**

## 产品信息

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|---|---|
| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Monoclonal |
| 预测反应 | **WB:** Homo sapiens , Mus musculus , Rattus norvegicus<br>**IF:** Mus musculus , Rattus norvegicus , Homo sapiens<br>**ICH:** Homo sapiens,Mus musculus |
| 应用 | WB IHC ICC/IF |
| 推荐浓度 | **WB:** 1:1000 - 1:5000<br>**IF/ICC:** 1:100 - 1:1000<br>**IHC 1:100-1:1000:** |
| 理论分子量 | 223kDa/224kDa/227kDa/228kDa |
| 实测分子量 | 250KDa |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | Mouse uterus,Rat stomach |
| 细胞定位 | Melanosome |
| 纯化 | Affinity purification |

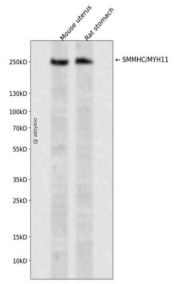
## 抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 1680-1979 of human SMMHC/SMMHC/MYH11 (NP_001035203.1). |

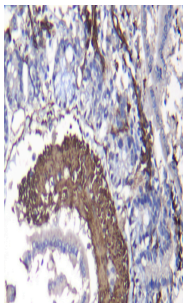
## 靶点信息

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| 研究背景 | The protein encoded by this gene is a smooth muscle myosin belonging to the myosin heavy chain family. The gene product is a subunit of a hexameric protein that consists of two heavy chain subunits and two pairs of non-identical light chain subunits. It functions as a major contractile protein, converting chemical energy into mechanical energy through the hydrolysis of ATP. The gene encoding a human ortholog of rat NUDE1 is transcribed from the reverse strand of this gene, and its 3' end overlaps with that of the latter. The pericentric inversion of chromosome 16 [inv(16)(p13q22)] produces a chimeric transcript that encodes a protein consisting of the first 165 residues from the N terminus of core-binding factor beta in a fusion with the C-terminal portion of the smooth muscle myosin heavy chain. This chromosomal rearrangement is associated with acute myeloid leukemia of the M4Eo subtype. Alternative splicing generates isoforms that are differentially expressed, with ratios changing during muscle cell maturation. Alternatively spliced transcript variants encoding different isoforms have been identified. |
| 基因ID | 4629 |
| 基因名 | MYH11 |
| Swiss | P35749 (https://www.uniprot.org/uniprotkb/P35749/entry) |
| 别名 | MYH11,AAT4,FAA4,SMHC,SMMHC,myosin-11,SMMHC/MYH11 Rabbit pAb,Myosin heavy chain 11,Myosin heavy chain,smooth muscle isoform,KIAA0866 |

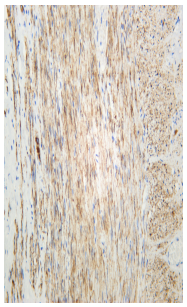
## 产品验证




Western blot analysis of SMMHC/MYH11 expressed in Mouse uterus,Rat stomach using SMMHC/MYH11 Rabbit at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Mouse colon was stained with anti-Myosin Heavy Chain, Smooth Muscle (SMMHC) (PT1919R) Rabbit antibody，1：200



Human appendix was stained with anti-Myosin Heavy Chain, Smooth Muscle (SMMHC/MYH11) (PT1919R) Rabbit antibody，1：200

**实验步骤**

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