

产品名称: alpha Smooth Muscle Actin Mouse Monoclonal Antibody  
产品货号: AMM85024

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## 产品概述 (Summary)

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|------------------------|-----------------------------------------------------|
| 产品名称 (Production Name) | alpha Smooth Muscle Actin Mouse Monoclonal Antibody |
| 描述 (Description)       | Mouse monoclonal Antibody                           |
| 宿主 (Host)              | Mouse                                               |
| 应用 (Application)       | WB,IHC,ICC                                          |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                                     |

## 产品性能 (Performance)

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                              |
| 修饰 (Modification)   | Unmodified                                                                                |
| 同种型 (Isotype)       | Mouse IgG1                                                                                |
| 克隆 (Clonality)      | Monoclonal                                                                                |
| 形式 (Form)           | Liquid                                                                                    |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.  |
| 储存溶液 (Buffer)       | Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol. |
| 纯化方式 (Purification) | Affinity Purification                                                                     |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | alpha Smooth Muscle Actin                                                                                                     |
| 别名 (Alternative Names) | ACTA2; ACTSA; ACTVS; GIG46; Actin; aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein; $\alpha$ -SMA |
| 基因 ID (Gene ID)        | 59.0                                                                                                                          |
| 蛋白 ID (SwissProt ID)   | P62736.Synthetic Peptide of $\alpha$ -SMA                                                                                     |

## 产品应用 (Application)

|                          |                                               |
|--------------------------|-----------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200 |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 42 kDa; Observed MW: 42 kDa    |

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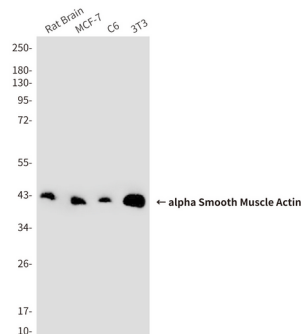


## 研究背景 (Background)

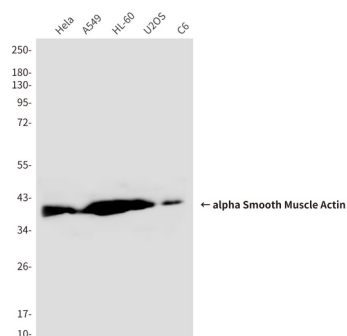
Involved in the interaction of plaque proteins and intermediate filaments mediating cell-cell adhesion. Defects in ACTA2 are the cause of aortic aneurysm familial thoracic type 6 (AAT6) [MIM:611788]. They are primarily associated with a characteristic histologic appearance known as 'medial necrosis' or 'Erdheim cystic medial necrosis' in which there is degeneration and fragmentation of elastic fibers, loss of smooth muscle cells, and an accumulation of basophilic ground substance.

## 研究领域 (Research Area)

## 图片 (Image Data)

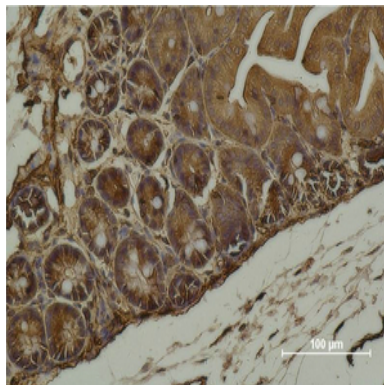


Western blot analysis of alpha Smooth Muscle Actin in αSmooth Muscle Actin in rat Brain, MCF-7, C6 and 3T3 lysates using alpha Smooth Muscle Actin antibody



Western blot analysis of alpha Smooth Muscle Actin in HeLa, A549, HL6, U2OS, C6 lysates using alpha Smooth Muscle Actin antibody

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Immunohistochemistry analysis of paraffin-embedded mouse Cecal Tissue using alpha Smooth Muscle Actin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

#### **注意事项 (Note)**

For research use only .