

**产品名称: Calponin 2 Rabbit Polyclonal Antibody**  
**产品货号: APRab07872**



## 产品概述 (Summary)

|                        |                                       |
|------------------------|---------------------------------------|
| 产品名称 (Production Name) | Calponin 2 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody            |
| 宿主 (Host)              | Rabbit                                |
| 应用 (Application)       | WB, ICC/IF, ELISA                     |
| 种属反应性 (Reactivity)     | Human, Mouse                          |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 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)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | CNN2                                                                                                      |
| 别名 (Alternative Names) | CNN2; Calponin-2; Calponin H2; smooth muscle; Neutral calponin                                            |
| 基因 ID (Gene ID)        | 1265.0                                                                                                    |
| 蛋白 ID (SwissProt ID)   | Q99439. The antiserum was produced against synthesized peptide derived from human CNN2. AA range: 121-170 |

## 产品应用 (Application)

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000, ICC/IF 1:200-1:1000, ELISA 1:20000-1:40000 |
| 蛋白分子量 (Molecular Weight) | 33kDa                                                       |

## 研究背景 (Background)

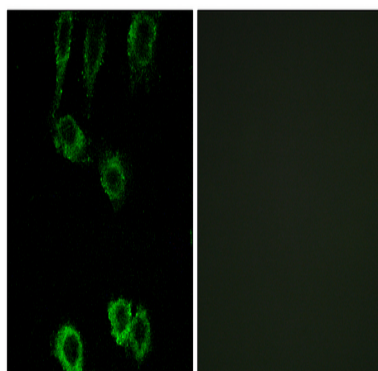
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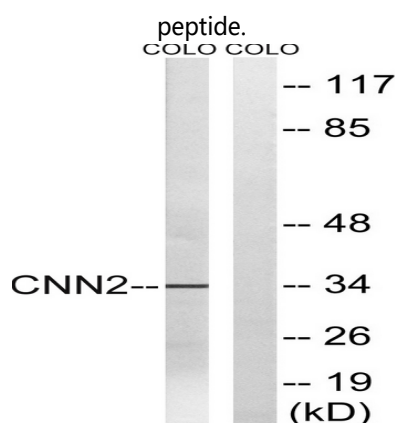
The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Several pseudogenes of this gene have been identified, and are present on chromosomes 1, 2, 3, 6, 9, 11, 13, 15, 16, 21 and 22. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015],function:Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.,similarity:Belongs to the calponin family.,similarity:Contains 1 CH (calponin-homology) domain.,similarity:Contains 3 calponin-like repeats.,tissue specificity:Heart and smooth muscle.,

## 研究领域 (Research Area)

## 图片 (Image Data)

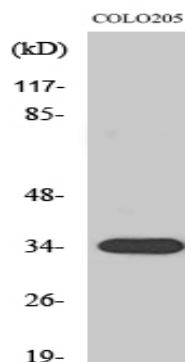


Immunofluorescence analysis of A549 cells, using CNN2 Antibody. The picture on the right is blocked with the synthesized

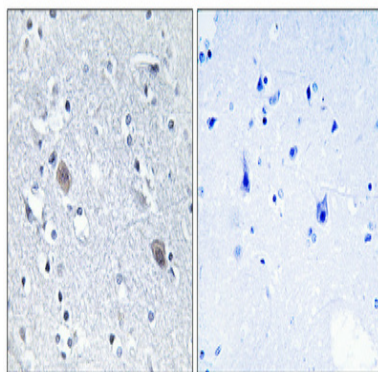


Western blot analysis of lysates from COLO cells, using CNN2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Calponin 2 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

### 注意事项 (Note)

For research use only .