

**产品名称: Cleaved-Caspase 4/5 p20 Rabbit Polyclonal Antibody**  
**产品货号: APRab00843**



## 产品概述 (Summary)

|                        |                                                    |
|------------------------|----------------------------------------------------|
| 产品名称 (Production Name) | Cleaved-Caspase 4/5 p20 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                         |
| 宿主 (Host)              | Rabbit                                             |
| 应用 (Application)       | WB,ELISA                                           |
| 种属反应性 (Reactivity)     | Human                                              |

## 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% sodium azide, pH 7.3. |
| 纯化方式 (Purification) | Affinity Chromatography                                                                        |

## 免疫原信息 (Immunogen)

|                        |                                                 |
|------------------------|-------------------------------------------------|
| 基因名 (Gene Name)        | CASP4                                           |
| 别名 (Alternative Names) | TX; Mih1; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II |
| 基因 ID (Gene ID)        | 837/838                                         |
| 蛋白 ID (SwissProt ID)   | P49662/P51878.                                  |

## 产品应用 (Application)

|                          |                                               |
|--------------------------|-----------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:1000,ELISA 1:5000-1:20000          |
| 蛋白分子量 (Molecular Weight) | Calculated MW: 43 kDa; Observed MW: 47,22 kDa |

## 研究背景 (Background)

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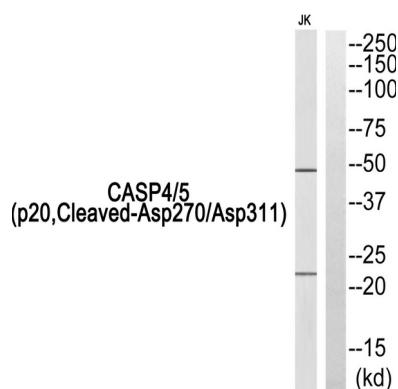


CASP4 (caspase 4) encodes a protein that is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, caspase 4 induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms.

## 研究领域 (Research Area)

Cell Biology

## 图片 (Image Data)



Western blot analysis of Cleaved-Caspase 4/5 p20 in Jurkat lysates using Caspase 4/5 (p20, Cleaved-Asp270/Asp311) antibody. The lane on the right is blocked with the Caspase 4/5 (p20, Cleaved-Asp270/Asp311) peptide.

## 注意事项 (Note)

For research use only .