

**产品名称:** Cleaved-Caspase-5 p20 (D121) Rabbit Polyclonal Antibody  
**产品货号:** APRab08962

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## 产品概述 (Summary)

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|------------------------|---------------------------------------------------------|
| 产品名称 (Production Name) | Cleaved-Caspase-5 p20 (D121) 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,Rat,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)        | CASP5                                                                                                        |
| 别名 (Alternative Names) | CASP5; ICH3; Caspase-5; CASP-5; ICE(rel)-III; Protease ICH-3; Protease TY                                    |
| 基因 ID (Gene ID)        | 838.0                                                                                                        |
| 蛋白 ID (SwissProt ID)   | P51878.The antiserum was produced against synthesized peptide derived from human Caspase 5. AA range:102-151 |

## 产品应用 (Application)

|                          |                                       |
|--------------------------|---------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 22kDa                                 |

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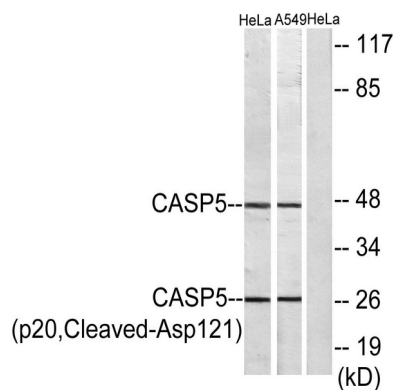
## 研究背景 (Background)

This gene encodes 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts. Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferon-gamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Aug 2010],catalytic activity:Strict requirement for Asp at the P1 position. It has a preferred cleavage sequence of Tyr-Val-Ala-Asp-|- but also cleaves at Asp-Glu-Val-Asp-|-,function:Mediator of programmed cell death (apoptosis).,PTM:The two subunits are derived from the precursor sequence by an autocatalytic mechanism.,similarity:Belongs to the peptidase C14A family.,similarity:Contains 1 CARD domain.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 20 kDa (p20) and a 10 kDa (p10) subunits.,tissue specificity:Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.,

## 研究领域 (Research Area)

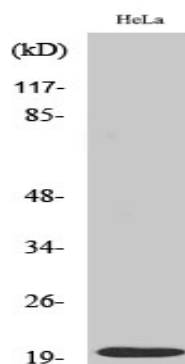
NOD-like receptor;

## 图片 (Image Data)



Western blot analysis of lysates from HeLa and A549 cells, treated with etoposide 25uM 24h, using Caspase 5 (p20,Cleaved-Asp121) Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Cleaved-Caspase-5 p20 (D121) Polyclonal Antibody diluted at 1: 1000

#### 注意事项 (Note)

For research use only .