

产品名称: COL25A1 Rabbit Polyclonal Antibody  
产品货号: APRab09182



## 产品概述 (Summary)

|                        |                                    |
|------------------------|------------------------------------|
| 产品名称 (Production Name) | COL25A1 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,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)        | COL25A1                                                          |
| 别名 (Alternative Names) | COL25A1                                                          |
| 基因 ID (Gene ID)        | 84570.0                                                          |
| 蛋白 ID (SwissProt ID)   | Q9BXS0.Synthetic peptide from human protein at AA range: 101-150 |

## 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) | 64kDa                                 |

## 研究背景 (Background)

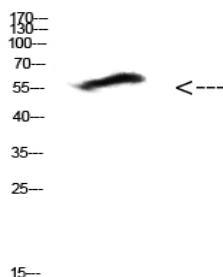
This gene encodes a brain-specific membrane associated collagen. A product of proteolytic processing of the encoded

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protein, CLAC (collagenous Alzheimer amyloid plaque component), binds to amyloid beta-peptides found in Alzheimer amyloid plaques but CLAC inhibits rather than facilitates amyloid fibril elongation (PMID: 16300410). A study of over-expression of this collagen in mice, however, found changes in pathology and behavior suggesting that the encoded protein may promote amyloid plaque formation (PMID: 19548013). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011], caution: The pyrrolidone carboxylic acid reported in PubMed:11927537 probably formed artifactually from Glu-113 during the extraction procedure in 70% formic acid. In PubMed:15522881, the protein was found to have unblocked Glu at the N-terminus., function: Inhibits fibrillization of beta amyloid peptide during the elongation phase. Has also been shown to assemble amyloid fibrils into protease-resistant aggregates. Binds heparin., PTM: Glycosylated., PTM: Hydroxylated on 11% of proline residues and 49% of lysine residues., PTM: Undergoes proteolytic cleavage by furin protease to yield the soluble collagen-like Alzheimer amyloid plaque component., similarity: Contains 7 collagen-like domains., subcellular location: After proteolytic cleavage, CLAC is secreted., subunit: Forms homodimers and homotrimers. Binds to the fibrillized forms of beta amyloid peptide 40 (beta-APP40) and beta amyloid peptide 42 (beta-APP42). Found associated with beta-APP42 more frequently than with beta-APP40., tissue specificity: Expressed predominantly in brain. Deposited preferentially in primitive or neuritic amyloid plaques which are typical of Alzheimer's disease.,

## 研究领域 (Research Area)

## 图片 (Image Data)



Western Blot analysis of HEPG2 cells using Antibody diluted at 500. Secondary antibody was diluted at 1:20000

## 注意事项 (Note)

For research use only .