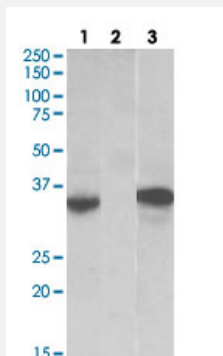


# CMA1 polyclonal antibody

Catalog # PAB27585      Size 100 ug

## Applications



### Western Blot (Transfected lysate)

HEK293 lysate (10ug protein in RIPA buffer) over expressing human CMA1 with DYKDDDDK tag probed with CMA1 polyclonal antibody (Cat # PAB27585) (0.5ug/ml) in Lane 1 and probed with anti- DYKDDDDK Tag (1/3000) in Lane 3.

Lane 2: Mock-transfected HEK293 probed with CMA1 polyclonal antibody (Cat # PAB27585) (1mg/ml). Primary incubations were for 1 hour. Detected by chemiluminescence.

## Specification

|                             |                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Goat polyclonal antibody raised against synthetic peptide of CMA1.                                                 |
| <b>Immunogen</b>            | A synthetic peptide corresponding to internal region of human CMA1.                                                |
| <b>Sequence</b>             | QFRHPKYNTSTLHHD                                                                                                    |
| <b>Host</b>                 | Goat                                                                                                               |
| <b>Theoretical MW (kDa)</b> | 35                                                                                                                 |
| <b>Reactivity</b>           | Human                                                                                                              |
| <b>Purification</b>         | Antigen affinity purification                                                                                      |
| <b>Concentration</b>        | 0.5 mg/mL                                                                                                          |
| <b>Recommend Usage</b>      | ELISA (1:32000)<br>Western Blot (0.5-2ug/ml)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)                                                              |

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — CMA1

**Entrez GeneID**[1215](#)**Protein Accession#**[NP\\_001827.1](#)**Gene Name**

CMA1

**Gene Alias**

CYH, MCT1, MGC119890, MGC119891, chymase

**Gene Description**

chymase 1, mast cell

**Omim ID**[118938](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene product is a chymotryptic serine proteinase that belongs to the peptidase family S1. It is expressed in mast cells and thought to function in the degradation of the extracellular matrix, the regulation of submucosal gland secretion, and the generation of vasoactive peptides. In the heart and blood vessels, this protein, rather than angiotensin converting enzyme, is largely responsible for converting angiotensin I to the vasoactive peptide angiotensin II. Angiotensin II has been implicated in blood pressure control and in the pathogenesis of hypertension, cardiac hypertrophy, and heart failure. Thus, this gene product is a target for cardiovascular disease therapies. This gene maps to 14q11.2 in a cluster of genes encoding other proteases. [provided by RefSeq]

**Other Designations**

chymase 1 preproprotein transcript E|chymase 1 preproprotein transcript I|chymase, heart|chymase, mast cell|mast cell protease I

## Pathway

- [Renin-angiotensin system](#)

## Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiomyopathies](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Heart Defects](#)
- [Heart Failure](#)
- [Helicobacter Infections](#)

- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Pregnancy Complications](#)
- [Sarcoidosis](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Stroke](#)