

## Product datasheet for **TA342809**

### CMA1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CMA1 antibody: synthetic peptide directed towards the C terminal of human CMA1. Synthetic peptide located within the following region: EVKLRMLDPQACSHFRDFHNLQLCVGNPRKTKSAFKGDSGGPLLCA GVA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	27 kDa
Gene Name:	chymase 1
Database Link:	<a href="#">NP_001827</a> <a href="#">Entrez Gene 1215 Human P23946</a>
Background:	CMA1 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.



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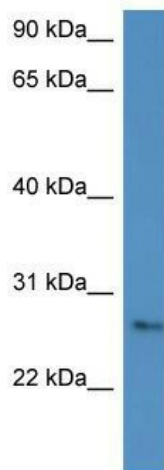
**Synonyms:** chymase; CYH; MCT1

**Note:** Immunogen Sequence Homology: Dog: 100%; Human: 100%; Pig: 86%; Rat: 86%; Sheep: 86%; Bovine: 86%; Guinea pig: 86%; Mouse: 79%; Rabbit: 79%

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**Protein Pathways:** Renin-angiotensin system

### Product images:



WB Suggested Anti-CMA1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: COLO205 cell lysate CMA1 is supported by BioGPS gene expression data to be expressed in COLO205