

Datasheet for ABIN929416 **anti-CMA1 antibody (C-Term)**



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1 Image

Overview

Quantity:	100 µL
Target:	CMA1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CMA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	CMA1 antibody was raised in rabbit using the C terminal of CMA1 as the immunogen
Purification:	Purified

Target Details

Target:	CMA1
Alternative Name:	CMA1 (CMA1 Products)
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

Target Details

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. Synonyms: Polyclonal CMA1 antibody, Anti-CMA1 antibody, chymase 1, mast cell antibody, CYH antibody, MCT1 antibody, MGC119890 antibody, MGC119891 antibody, chymase antibody.

Pathways: [ACE Inhibitor Pathway](#), [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Carbohydrate Homeostasis](#)

Application Details

Application Notes: WB: 0.2-1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: CMA1 Blocking Peptide, catalog no. 33R-2795, is also available for use as a blocking control in assays to test for specificity of this CMA1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized powder. Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. CMA1 antibody used at 0.2-1 ug/ml to detect target protein.