

CMA1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2833a**Specification**

CMA1 Antibody (internal region) - Product Information

Application	WB, IHC, E
Primary Accession	P23946
Other Accession	NP_001827.1 , 1215
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	27325

CMA1 Antibody (internal region) - Additional Information**Gene ID** 1215**Other Names**

Chymase, 3.4.21.39, Alpha-chymase, Mast cell protease I, CMA1, CYH, CYM

DilutionWB~~1:1000
IHC~~1:100~500
E~~N/A**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CMA1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CMA1 Antibody (internal region) - Protein Information**Name** CMA1**Synonyms** CYH, CYM**Function**

Major secreted protease of mast cells with suspected roles in vasoactive peptide generation,

extracellular matrix degradation, and regulation of gland secretion.

Cellular Location

Secreted. Cytoplasmic granule. Note=Mast cell granules

Tissue Location

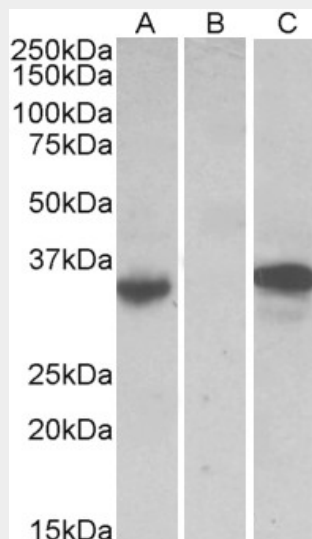
Mast cells in lung, heart, skin and placenta. Expressed in both normal skin and in urticaria pigmentosa lesions

CMA1 Antibody (internal region) - Protocols

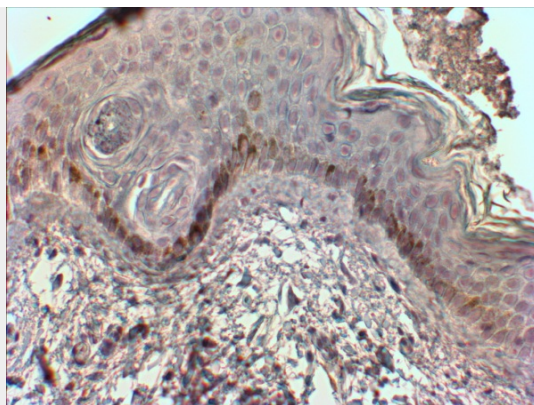
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CMA1 Antibody (internal region) - Images



HEK293 lysate (10ug protein in RIPA buffer) over expressing Human CMA1 with DYKDDDDK tag probed with AF2833a (0.5ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/3000) in lane C. Mock-transfected HEK293 probed with AF2833a(1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.



AF2833a (2µg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

CMA1 Antibody (internal region) - References

Activated mast cells induce endothelial cell apoptosis by a combined action of chymase and tumor necrosis factor- α Heikkilä HM, Lätti S, Leskinen MJ, Hakala JK, Kovanen PT, Lindstedt KA
Arterioscler Thromb Vasc Biol. 2008 Feb;28(2):309-14. Epub 2007 Dec 13 PMID: 18079408