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CPA3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11687c

Product Information

Application	WB, FC, E
Primary Accession	P15088
Other Accession	NP_001861.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19007
Calculated MW	48670
Antigen Region	255-284

Additional Information

Gene ID	1359
Other Names	Mast cell carboxypeptidase A, MC-CPA, Carboxypeptidase A3, CPA3
Target/Specificity	This CPA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 255-284 amino acids from the Central region of human CPA3.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CPA3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CPA3
Cellular Location	Cytoplasmic vesicle, secretory vesicle. Note=Secretory granules

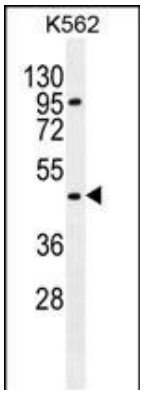
Background

Three different forms of human pancreatic procarboxypeptidase A have been isolated. This gene encodes a form which is obtained as a binary complex of a procarboxypeptidase A with proproteinase E and functions as a secretory granule metalloexopeptidase.

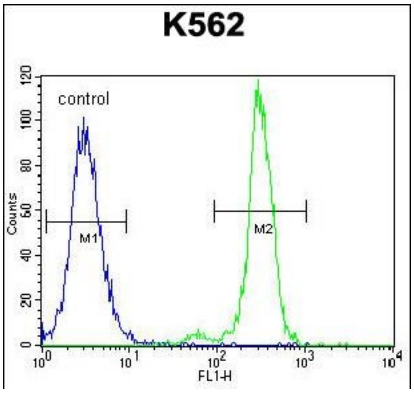
References

Pejler, G., et al. Trends Immunol. 30(8):401-408(2009)
Chen, Z.Q., et al. World J. Gastroenterol. 10(3):342-347(2004)
Huang, H., et al. Cancer Res. 59(12):2981-2988(1999)
Dikov, M.M., et al. J. Biol. Chem. 269(41):25897-25904(1994)
Natsuaki, M., et al. J. Invest. Dermatol. 99(2):138-145(1992)

Images



CPA3 Antibody (Center) (Cat. #AP11687c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CPA3 antibody detected the CPA3 protein (arrow).



CPA3 Antibody (Center) (Cat. #AP11687c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.