

[Go to Product page](#)

Datasheet for ABIN1711267

anti-CPA3 antibody (AA 101-200) (HRP)

Overview

Quantity:	100 µL
Target:	CPA3
Binding Specificity:	AA 101-200
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPA3 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CPA3/MC-CPA
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

Target Details

Target:	CPA3
Alternative Name:	CPA3/MC-CPA (CPA3 Products)

Target Details

Background:	<p>Synonyms: carboxypeptidase A, Carboxypeptidase A3, carboxypeptidase A3 mast cell, CBPA3_HUMAN, Cpa3, Mast cell carboxypeptidase A, mast cell carboxypeptidase A3, MC CPA, MC-CPA.</p> <p>Background: Carboxypeptidase A (CPA) is a pancreatic exopeptidase which hydrolyses the peptide bond adjacent to the C-terminal end in polypeptide chains. Mast cell carboxypeptidase A (MC-CPA), a part of the peptidase M14 family, is a highly conserved metalloprotease localized to the secretory granules, along with tryptases and chymases. MC-CPA is stored as an active enzyme in the granule and is released, along with other inflammatory mediators, upon mast cell degranulation. MC-CPA mirrors pancreatic carboxypeptidase A in cleaving COOH-terminal aromatic and aliphatic amino acid residues. The optimum pH of MC-CPA is between neutral and basic, depending upon the substrate. The MC-CPA gene, CPA3, resides on chromosome 3 and contains 11 exons.</p>
Gene ID:	1359
Pathways:	Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months