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Datasheet for ABIN5596781
anti-CPA antibody (HRP)

Overview

Quantity:	100 µg
Target:	CPA
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPA antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Immunogen: Carboxypeptidase A [Bovine Pancreas] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Carboxypeptidase A from other tissues and species may occur but have not been specifically determined.
Purification:	Carboxypeptidase A is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Carboxypeptidase A [Bovine Pancreas].

Target Details

Target:	CPA
Alternative Name:	Carboxypeptidase A (CPA Products)
Background:	<p>Synonyms: Carboxypeptidase A1 precursor antibody, CPA1 antibody, Pancreatic carboxypeptidase A1 antibody, Procarboxypeptidase A1 pancreatic antibody</p> <p>Background: Carboxypeptidase A (CPA-1) is produced in the pancreas and is crucial to many processes in the human body to include digestion, post-translational modification of proteins, blood clotting, and reproduction. There are two proposed mechanisms for the catalytic function of carboxypeptidase A. The first is a nucleophilic pathway involving a covalent acyl enzyme intermediate containing active site base Glu-270. The second proposed mechanism is a promoted water pathway. This mechanism involves attack of a water molecule at the scissile peptide linkage of the substrate.</p> <p>Gene Name: CPA1</p>
Gene ID:	286762
UniProt:	P00730

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: User Optimized</p> <p>Application Note: Anti-Carboxypeptidase A is useful in ELISA, western blot, and immunohistochemistry. Optimal titers should be obtained by researchers.</p> <p>Western Blot Dilution: 1:300 - 1:2,000</p> <p>ELISA Dilution: 1:3,000 - 1:10,000</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Preservative:	Gentamicin sulfate

Handling

Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months