



Datasheet for ABIN94267  
**anti-C-Peptide antibody**



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## Overview

Quantity:	0.1 mg
Target:	C-Peptide
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C-Peptide antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Radioimmunoassay (RIA)

## Product Details

Immunogen:	Human C-peptide conjugated to bovine serum albumin.
Clone:	C-PEP-01
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody C-PEP-01 reacts specifically with C-peptide, a part of the proinsulin molecule. Proinsulin consists of three parts: C-peptide and two long strands of amino acids (alpha and beta chains, later become linked together to form the insulin molecule). No cross-reactivity with insulin or other peptide hormones or proteins was observed.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

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Target:	C-Peptide
Abstract:	<a href="#">C-Peptide Products</a>
Background:	From every molecule of proinsulin, one molecule of insulin plus one molecule of C-peptide are produced. C-peptide is released into the blood stream in equal amounts to insulin. C-peptide of proinsulin

## Application Details

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Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 2-5 µg/mL, positive control: human pancreas (islets of Langerhans).
Restrictions:	For Research Use only

## Handling

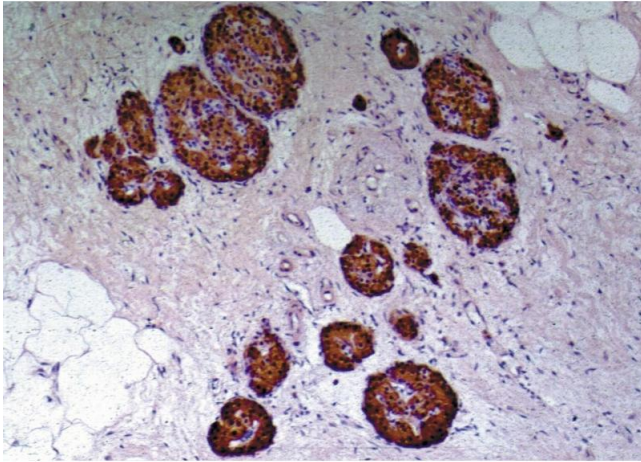
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Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

## Publications

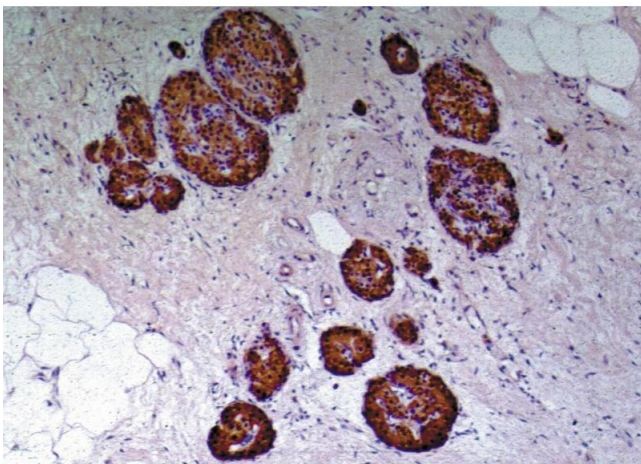
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Product cited in:	<p>Koblas, Zacharovova, Berkova, Girman, Saudek: "An acidic pH and activation of phosphoinositide 3-kinase stimulate differentiation of pancreatic progenitors into insulin-producing cells." in: <b>Transplantation proceedings</b>, Vol. 42, Issue 6, pp. 2075-80, (2010) (<a href="#">PubMed</a>).</p> <p>Hilgert, Stolba, Kristofová, Stefanová, Bendlová, Lebl, Horejsí: "A monoclonal antibody applicable for determination of C-peptide of human proinsulin by RIA." in: <b>Hybridoma</b>, Vol. 10, Issue 3, pp. 379-86, (1991) (<a href="#">PubMed</a>).</p>
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#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry staining of human pancreas (paraffin-embedded sections) with anti-human to C-peptide of Proinsulin (C-PEP-01).



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded sections (human pancreas) Immunohistochemistry staining of human pancreas (paraffin-embedded sections) with anti-human to C-peptide of Proinsulin (C-PEP-01).