

Data Sheet

HUMAN CHROMOGRANIN B [CgB] (aa 647-657)

ANTIBODY, POLYCLONAL

Catalog no.:	AST1027.1 / AST1027.2
Immunogen:	Synthetic human CgB (aa 647-657) KLH-conjugated (<u>C</u> YQKIAEKFSQRG) Underlined amino acids were substituted or added for technical reasons.
Synonyms:	Secretogranin-1, Chromogranin-B, CgB, Secretogranin I, Sgl
Swiss-Prot No:	P05060
Gene Information:	Gene Name: CHGB GenelD: 1114
Host:	Rabbit
Matrix:	Serum
Specificity:	Human CgB (aa 647-657) There was no cross reactivity detected with human CgB peptides (aa 1-16; 16-37; 153-167; 244-255; 259-270; 312-331; 406-417; 420-432; 480-493; 506-517; 542-552; 555-565; 568-577; 580-593; 622-632).
Contents:	20 µl / 100 µl (lyophilized) Resuspend in 20 µl / 100 µl aqua bidest.
Known applications:	RIA ² , Western Blot, immunohistochemistry (paraffin sections, 1:20-200) ¹ This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.
Store at:	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided
References:	1. Portela-Gomes GM & Stridsberg M (2002) Region-specific antibodies to chromogranin B display various immunostaining patterns in human endocrine pancreas. <i>J. Histochem. Cytochem.</i> 50 : 1023-1030. 2. Stridsberg M, Eriksson B, Öberg K & Janson ET (2005) A panel of 13 region-specific radioimmunoassays for measurements of human chromogranin B. <i>Regul. Pept.</i> 125 : 193-199.
Last updated on:	29 September 2015

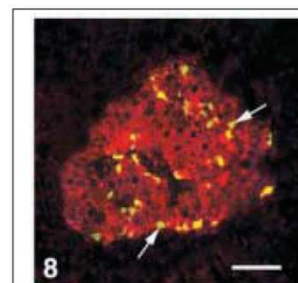


Figure 1: Immunofluorescence image of Chromogranin B staining in paraffin section of human pancreatic islet. The section was incubated with a mixture of an anti-somatostatin antibody and AST1027 (1:20) at room temperature overnight, followed by appropriate secondary antibodies coupled to FITC or Texas Red. Somatostatin (green) and CgB 647-657 (red) colocalize in a fraction of delta-cells (yellow), whereas other delta-cells were non-reactive (arrows). Scale bar = 80 µ.

Portela-Gomes GM et al. (2002)
J Histochem Cytochem 50: 1023-1030.

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A horizontal banner with six segments: an orange square with the word 'Antibodies', a microscopic image of cells, a light green square, a yellow-green microscopic image of a cell, a light blue square, and a yellow square with the 'immundiagnostik' logo.

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