

## Data Sheet

# HUMAN CHROMOGRANIN B [CgB] (aa 542-552)

## ANTIBODY, POLYCLONAL

**Catalog no.:** AST1022.1 / AST1022.2  
**Immunogen:** Synthetic human CgB (aa 542-552) KLH-conjugated (CFFPEYNYDWWE)  
 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 542-552)

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; 555-565; 568-577; 580-593; 622-632; 647-657).

**Contents:** 20 µl / 100 µl (lyophilized)  
 Resuspend in 20 µl / 100 µl aqua bidest.

**Known applications:** Western Blot, immunohistochemistry (paraffin sections, 1:80-800)<sup>1</sup>

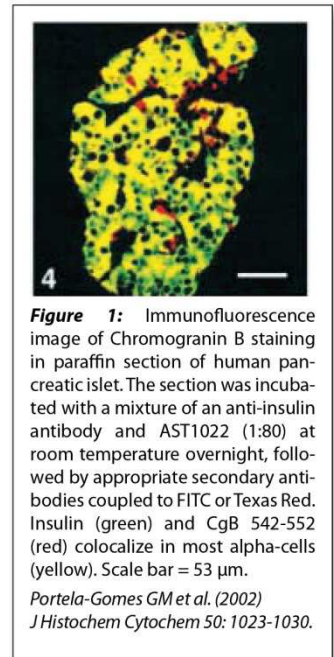
This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

**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. *J. Histochem. Cytochem.* **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. *Regul. Pept.* **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-insulin antibody and AST1022 (1:80) at room temperature overnight, followed by appropriate secondary antibodies coupled to FITC or Texas Red. Insulin (green) and CgB 542-552 (red) colocalize in most alpha-cells (yellow). Scale bar = 53 µm.

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



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.

Antibodies

**For research use only**

**Publishing research using AST1022? Please let us know so that we can cite your publication as a reference.**



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