

Data Sheet

HUMAN CHROMOGRANIN A [CgA] (aa 176-195)

ANTIBODY, POLYCLONAL

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| Catalog no.: | AST1005.1 / AST1005.2 |
| Immunogen: | Synthetic human CgA (aa 176-195) KLH-conjugated (<u>C</u> Y <u>P</u> G <u>P</u> Q <u>A</u> E <u>G</u> D <u>S</u> E <u>G</u> L <u>S</u> Q <u>G</u> L <u>V</u> D <u>R</u>) <small>Underlined amino acids were substituted or added for technical reasons.</small> |
| Synonyms: | Pituitary secretory protein I, SP-I |
| Swiss-Prot No: | P10645 |
| Gene Information: | Gene Name: CHGA GeneID: 1113 |
| Host: | Rabbit |
| Matrix: | Serum |
| Specificity: | Human CgA (aa 176-195) There was no cross reactivity detected with human CgA peptides (aa 1-17; 17-38; 63-76; 100-113; 116-130; 238-247; 284-301; 324-337; 361-372; 375-384; 411-424). |
| Contents: | 20 µl / 100 µl (lyophilized) Resuspend in 20 µl / 100 µl aqua bidest. |
| Known applications: | RIA ^{5,6} , Western Blot, immunohistochemistry (paraffin sections, 1:160-1600) ^{1,2,3,4,6} <small>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.</small> |
| Store at: | 2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided |
| References: | <ol style="list-style-type: none"> Portela-Gomes GM & Stridsberg M (2001) Selective processing of chromogranin A in the different islet cells in human pancreas. <i>J. Histochem. Cytochem.</i> 49: 483-490. Portela-Gomes GM, Grimelius L, Johansson H, Wilander E & Stridsberg M (2001) Chromogranin A in human neuroendocrine tumors: an immunohistochemical study with region-specific antibodies. <i>Am. J. Surg. Pathol.</i> 25: 1261-1267. Portela-Gomes GM & Stridsberg M (2002) Chromogranin A in the human gastrointestinal tract: an immunocytochemical study with region-specific antibodies. <i>J. Histochem. Cytochem.</i> 50: 1487-1492. Jin L, Zhang S, Bayliss J, Scheithauer B, Qian X, Kobayashi I, Stridsberg M & Lloyd R V (2003) Chromogranin a processing in human pituitary adenomas and carcinomas: analysis with region-specific antibodies. <i>Endocr. Pathol.</i> 14: 37-48. |

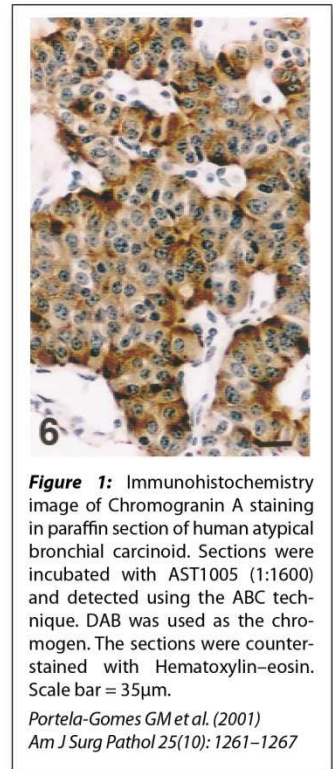


Figure 1: Immunohistochemistry image of Chromogranin A staining in paraffin section of human atypical bronchial carcinoid. Sections were incubated with AST1005 (1:1600) and detected using the ABC technique. DAB was used as the chromogen. The sections were counterstained with Hematoxylin-eosin. Scale bar = 35µm.

Portela-Gomes GM et al. (2001)
Am J Surg Pathol 25(10): 1261-1267





Antibodies

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5. Stridsberg M, Eriksson B, Öberg K & Janson ET (2004) A panel of 11 region-specific radioimmunoassays for measurements of human chromogranin A. *Regul. Pept.* **117**: 219–227.

6. Tartaglia A, Portela-Gomes GM, Öberg K, Vezzadini P, Foschini MP & Stridsberg M (2006) Chromogranin A in gastric neuroendocrine tumours: An immunohistochemical and biochemical study with region-specific antibodies. *Virchows Arch.* **448**: 399–406.

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