

Data Sheet

HUMAN CHROMOGRANIN A [CgA] (aa 238-247)

ANTIBODY, POLYCLONAL

Catalog no.:	AST1006.1 / AST1006.2
Immunogen:	Synthetic human CgA (aa 238-247) KLH-conjugated (<u>CYPHP</u> SLGYKEI) Underlined amino acids were substituted or added for technical reasons.
Synonyms:	Pituitary secretory protein I, SP-I
Swiss-Prot No:	P10645
Gene Information:	Gene Name: CHGA GenelD: 1113
Host:	Rabbit
Matrix:	Serum
Specificity:	Human CgA (aa 238-247) There was no cross reactivity detected with human CgA peptides (aa 1-17; 17-38; 63-76; 100-113; 116-130; 176-195; 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} 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:	<ol style="list-style-type: none"> 1. 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. 2. 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. 3. 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. 4. 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. 5. Stridsberg M, Eriksson B, Öberg K & Janson ET (2004) A panel of 11 region-specific radioimmunoassays for measurements of human chromogranin A. <i>Regul. Pept.</i> 117: 219-227.



Antibodies

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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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