

Chromogranin A & B (GAWK Fragment)

Description	Chromogranin A (parathyroid secretory protein 1) and Chromogranin B (secretogranin 1) are components of a family of water-soluble acidic glycoproteins that are present in most endocrine, neuroendocrine and neuronal tissue.
Indication	Diagnosis and monitoring of patients with carcinoid and other neuroendocrine tumours.
Additional Info	<p>Chromogranin A & B are secreted by most neuroendocrine tumours. They can be used in the following conditions:</p> <ul style="list-style-type: none"> • Carcinoid tumours: diagnosis (in combination with or in place of 5-HIAA), monitoring effectiveness of treatment and detecting recurrence. • Pheochromocytoma: diagnosis and monitoring (in conjunction with other hormones e.g. catecholamines) • Neuroendocrine tumours: diagnosis, follow-up and management.
Concurrent Tests	Serotonin, 5-HIAA, catecholamines. Can be requested as part of a Gut Hormone profile.
Dietary Requirements	N/A.
Interpretation	<p><u>Normal values:</u> Chromogranin A: <60 pmol/L Chromogranin B: <150 pmol/L</p> <p>Chromogranin A & B are sensitive but not specific markers for carcinoid tumours (87-99% of carcinoid patients have raised plasma Chromogranin A concentrations). Levels correlate with tumour burden but are not associated with severity of symptoms.</p> <p>Levels may also be elevated in the following conditions: Prostatic cancer, renal insufficiency, hepatic failure, atrophic gastritis, inflammatory bowel disease, hypertension, exercise and trauma.</p>
Collection Conditions	<p><u>If Trasylo1 available:</u> Collect blood in lithium heparin tube and add Trasylo1 (Aprotinin 0.2mL 4000 KIU) to 10mL blood.</p> <p><u>If Trasylo1 not available:</u> Collect blood in EDTA tube on ice, centrifuge and freeze plasma immediately. Send samples frozen.</p>
Frequency of testing	May be requested periodically to evaluate effectiveness of treatment and monitor tumour recurrence.