

Rabbit Anti-Chromogranin B [Polyclonal]: RC3117-1, RC3117, RC3117RTU7

Intended Use: For Research Use Only

Description: Chromogranins (secretogranins) are acidic glycoproteins that localize within secretory granules of endocrine, neuroendocrine and neuronal tissue. Family members include chromogranin A (Chr-A), chromogranin B (Chr-B, also known as secretogranin I) chromogranin C (also known as secretogranin II or Sg II), secretogranin III (Sg III or SCG3). High levels of Chr-A expression is a characteristic of neuroendocrine tumors. Pancreastatin is a peptide derived from Chr-A which inhibits insulin secretion, exocrine pancreatic secretion and gastric acid secretion. Pancreastatin exists as two forms; the major form is expressed in stomach and colon extracts. In neuroendocrine cells the level Sg II has been shown to increase four-fold in response to histamine, while levels of Chr-A and Chr-B showed little or no increase. Sg III is an acidic secretory protein expressed in neuronal and endocrine cells.

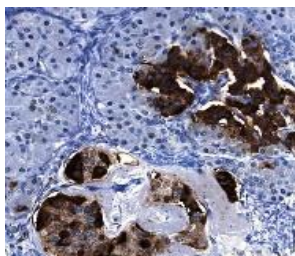
Specifications

Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human, mouse, rat
 Localization: Neuroendocrine and endocrine secretory granules
 Formulation: Diluted in PBS pH 7.4, 0.1% gelatin, and <0.1% sodium azide (NaN₃).
 Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
 Applications: IHC, ELISA, IF, IP, WB
 Package:

Description	Catalog No.	Size
Chromogranin B Concentrated	RC3117	1 ml
Chromogranin B Prediluted	RC3117RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Pancreas
 Concentrated Dilution: 50-250
 Pretreatment: EDTA pH 80, 15 minutes using pressure cooker or 30-60 minutes in water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



Human pancreas FFPE tissue stained with anti-Chromogranin B using DAB

References:

1. Chromogranin B in heart failure: a putative cardiac biomarker expressed in the failing myocardium. Røsjø H, et al. Circ Heart Fail. Jul;3(4):503-11, 2010.
2. Beta cell chromogranin B is partially segregated in distinct granules and can be released separately from insulin in response to stimulation. Giordano T, et al. Diabetologia. Jun;51(6):997-1007, 2008.
3. Inositol 1,4,5 trisphosphate receptor and chromogranin B are concentrated in different regions of the hippocampus. Nicolay NH, et al. J Neurosci Res. Jul;85(9):2026-36, 2007.

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Rev. C