Chromogranin B Polyclonal Antibody

ORDERING INFORMATION
Catalog No.: 26102
Format: 200µl rabbit antiserum

BACKGROUND
Chromogranin B (CgB, secretogranin I) is a secretory granule matrix protein expressed in a wide variety of endocrine cells and neurons where it may have both extracellular and intracellular functions. Extracellular roles for CgB are dependent on its proteolytic processing within secretory granules to form smaller peptides that may have a role in the neuroendocrine/sympathoadrenal stress response to systemic infection, and CgB fragments may also have an autocrine inhibitory role in the release of co-stored hormones, such as insulin.

SPECIFICATION SUMMARY
Antigen: Synthetic peptide derived from the C-terminus (aa 641-655) of chromogranin B (accession no. NP_001810. This sequence is identical in human, mouse, and rat chromogranin B.
Host Species: Rabbit
Specificity: This antibody recognizes human, mouse, and rat chromogranin B.

APPLICATIONS
Immunoblotting: use diluted 1:2,500-1:10,000. A band of 110kDa is detected.
Immunohistochemistry: use diluted 1:500-1:5,000.

Although the predicted mw of CgB is ~76kDa, the highly acidic nature of CgB causes it to run at a higher mw in SDS-PAGE.

DILUTION INSTRUCTIONS
Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY
This antibody is stable for at least one (1) year at -20°C to -70°C. Avoid multiple freeze-thaw cycles.

PRODUCT REFERENCE

For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.