

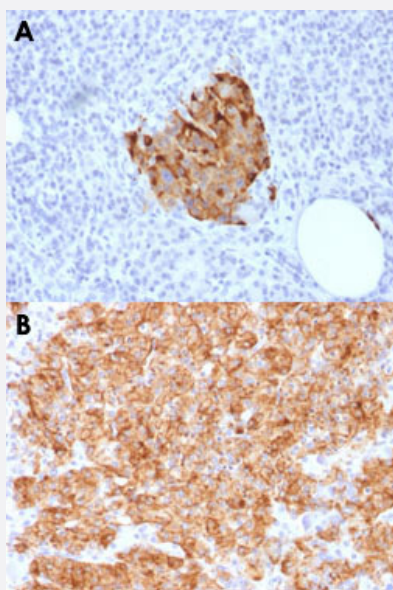
RecomAb™

CHGA recombinant monoclonal antibody, clone CHGA/1773R

Catalog # RAB00322

Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas (A) and human parathyroid (B) with CHGA recombinant monoclonal antibody, clone CHGA/1773R (Cat # RAB00322).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CHGA.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human CHGA.
Theoretical MW (kDa)	68-75
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG, kappa

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ cells)
Immunofluorescence (1-2 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer

In 10 mM PBS

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

- Flow Cytometry

Gene Info — CHGA

Entrez GeneID

[1113](#)

Protein Accession#

[P10645](#)

Gene Name

CHGA

Gene Alias

CGA

Gene Description

chromogranin A (parathyroid secretory protein 1)

Omim ID

[118910](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuro endocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrine system. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derived from the full-length protein. However, biological activities for these molecules have not been shown. [provided by RefSeq]

Other Designations

betagranin (N-terminal fragment of chromogranin A)|chromogranin A|parathyroid secretory protein 1

Publication Reference

- [Distribution of chromogranin A and secretogranin I \(chromogranin B\) in neuroendocrine cells and tumors.](#)

Lloyd RV, Cano M, Rosa P, Hille A, Huttner WB.

The American Journal of Pathology 1988 Feb; 130(2):296.

- [The primary structure of human chromogranin A and pancreastatin.](#)

Konecki DS, Benedum UM, Gerdes HH, Huttner WB.

The Journal of Biological Chemistry 1987 Dec; 262(35):17026.

Disease

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