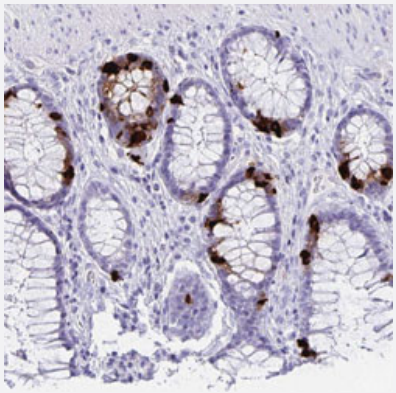
CHGA polyclonal antibody

Catalog # PAB30890 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human rectum with CHGA polyclonal antibody (Cat # PAB30890) shows strong cytoplasmic positivity in subset of glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CHGA.
Immunogen	Recombinant protein corresponding to human CHGA.
Sequence	NSPMNKGDTEVMKCIVEVISDTLSKPSPMPVSQECFETLRGDERILSILRHQNLLKELQDLALQGA KERAHQQKKHSGFEDELSEVLENQSSQAELKEAVEEPSSKDVMEKREDSKEAEKSGEATDGA RPQALPEPMQESK
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

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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 p arastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrin e system. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derive d from the full-length protein. However, biological activities for these molecules have not been sho wn. [provided by RefSeq
Other Designations	betagranin (N-terminal fragment of chromogranin A)|chromogranin A|parathyroid secretory protein 1

Publication Reference

- Identification of a gene regulatory network associated with prion replication.

  Marbiah MM, Harvey A, West BT, Louzolo A, Banerjee P, Alden J, Grigoriadis A, Hummerich H, Kan HM, Cai Y, Bloom GS, Jat P, Collinge J, Klöhn PC.

  The EMBO Journal 2014 Jul; 33(14):1527.

  Application: IF, Human, Chronically prion-infected cells

- Scalable in situ hybridization on tissue arrays for validation of novel cancer and tissue-specific biomarkers.

  Kiflemariam S, Andersson S, Asplund A, Pontén F, Sjöblom T.

  PLoS One 2012 Mar; 7(3):e32927.

  Application: IHC-P, Human, Human tissue microarray

Disease

- Genetic Predisposition to Disease
- Glomerulonephritis
- Hypertension
- Kidney Failure
- Prostatic Neoplasms
- Schizophrenia