

**CHGA Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14938c****Specification**

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**CHGA Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P10645](#)**CHGA Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1113**Other Names**

Chromogranin-A, CgA, Pituitary secretory protein I, SP-I, Vasostatin-1, Vasostatin I, Vasostatin-2, Vasostatin II, EA-92, ES-43, Pancreastatin, SS-18, WA-8, WE-14, LF-19, AL-11, GV-19, GR-44, ER-37, CHGA

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CHGA Antibody (Center) Blocking Peptide - Protein Information****Name** CHGA**Function**

[Pancreastatin]: Strongly inhibits glucose induced insulin release from the pancreas. [Serpinin]: Regulates granule biogenesis in endocrine cells by up-regulating the transcription of protease nexin 1 (SERPINE2) via a cAMP-PKA-SP1 pathway. This leads to inhibition of granule protein degradation in the Golgi complex which in turn promotes granule formation.

**Cellular Location**

[Serpinin]: Secreted {ECO:0000250|UniProtKB:P26339}. Cytoplasmic vesicle, secretory vesicle {ECO:0000250|UniProtKB:P26339}. Note=Pyroglutaminated serpinin localizes to secretory vesicle. {ECO:0000250|UniProtKB:P26339}

**Tissue Location**

Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Detected in urine (at protein level) (PubMed:37453717).

## **CHGA Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **CHGA Antibody (Center) Blocking Peptide - Images**

## **CHGA Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine 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.

## **CHGA Antibody (Center) Blocking Peptide - References**

Ezzi, S.A., et al. J. Neurochem. 115(5):1102-1111(2010) Ma, Z., et al. J. Urol. 184(3):1182-1188(2010) Ramella, R., et al. J. Cell. Biochem. 110(1):70-79(2010) Dag, E., et al. Peptides 31(5):932-937(2010) Xie, Y.Q., et al. Zhonghua Xin Xue Guan Bing Za Zhi 37(12):1081-1084(2009)