

CHGA Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10165c**Specification**

CHGA Antibody (Center) Blocking peptide - Product Information

Primary Accession [P10645](#)
Other Accession [NP_001266.1](#)

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)