

CARTPT Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12574A**Specification**

CARTPT Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q16568
Other Accession	NP_004282.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	12829
Antigen Region	26-55

CARTPT Antibody (N-term) - Additional Information**Gene ID** 9607**Other Names**

Cocaine- and amphetamine-regulated transcript protein, CART(1-39), CART(42-89), CARTPT, CART

Target/Specificity

This CARTPT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 26-55 amino acids from the N-terminal region of human CARTPT.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CARTPT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CARTPT Antibody (N-term) - Protein Information**Name** CARTPT**Synonyms** CART

Function Satiety factor closely associated with the actions of leptin and neuropeptide Y; this anorectic peptide inhibits both normal and starvation-induced feeding and completely blocks the feeding response induced by neuropeptide Y and regulated by leptin in the hypothalamus. It promotes neuronal development and survival in vitro.

Cellular Location

Secreted.

Tissue Location

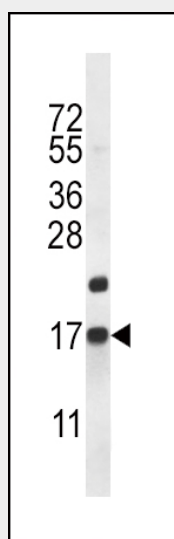
Hypothalamus. Found in neurons of the ventrolateral part of the arcuate nucleus, in the external zone of the median eminence, and also found in terminals in the periventricular part of the paraventricular nucleus

CARTPT Antibody (N-term) - Protocols

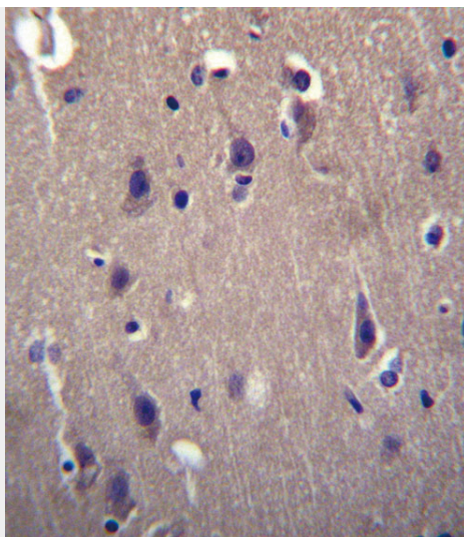
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CARTPT Antibody (N-term) - Images



CARTPT Antibody (N-term) (Cat. #AP12574a) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the CARTPT antibody detected the CARTPT protein (arrow).



CARTPT Antibody (N-term) (Cat. #AP12574a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CARTPT Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CARTPT Antibody (N-term) - Background

This gene encodes a secreted protein which is processed by prohormone/proprotein convertases to produce smaller, biologically active peptides. Expression of the transcript for this gene is regulated by certain drugs such as cocaine, and the encoded protein is thought to be involved in the regulation of appetite and stress. Mutations in this gene are associated with susceptibility to obesity.

CARTPT Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Busto, A., et al. Prog. Neuropsychopharmacol. Biol. Psychiatry 34(6):834-836(2010)
Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :
Rigoli, L., et al. Acta Paediatr. 99(5):722-726(2010)
Vasseur, F., et al. J. Hum. Genet. 55(4):227-231(2010)