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Datasheet for ABIN1395424

anti-CARTPT antibody (AA 31-116) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	CARTPT
Binding Specificity:	AA 31-116
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CARTPT antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CART
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Sheep, Pig
Purification:	Purified by Protein A.

Target Details

Target:	CARTPT
Alternative Name:	CART (CARTPT Products)
Background:	Synonyms: CART, CART prepropeptide, Cocaine and amphetamine regulated transcript,

Target Details

CART_HUMAN.

Background: The CART gene encodes for a protein which has an important role in the regulation of appetite and body weight. The CART (cocaine- and amphetamine-regulated transcript) neuropeptide is an mRNA that changes in response to psychostimulant drug administration. Injection of CART peptides into the ventral tegmental area produces psychostimulant-like effects. CART localizes to areas of the central and peripheral nervous systems and is involved in feeding behavior when injected centrally. Expression of CART in the rat hypothalamus is modulated by nutritional status, and injection of synthetic CART peptide into the forebrain ventricular system suppresses food intake, indicating a possible role in hypothalamic control of energy homeostasis. Its identification in cell bodies and central terminals of vagal afferent neurons additionally suggests a role in brainstem mechanisms of meal termination and satiety.

Pathways: [Hormone Transport](#), [Negative Regulation of Hormone Secretion](#), [Carbohydrate Homeostasis](#), [Feeding Behaviour](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months