

Anti-proCCK

(pro-cholecystokinin)

Code Number : CCK-pro-Rb-Af350 (rabbit, RRID : AB_2571674)

Size : 20 µg and 50 µg / See label on vial
(affinity-purified with antigen polypeptide)

Formulation : Liquid ; 200 µg/ml in PBS with 0.05% NaN₃.

Storage : Store at 4°C. The antibody can be stored at 4°C. The antibody can be also aliquotted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

Species : rabbit, polyclonal

Antigen : mouse CCK 107-115aa (C-terminal 9 amino acids;)

MKSGVCLCVVMAVLAAGALAQPVVPAEATDPVEQRAQEAPRRQLRAVLRTDGEPRARL
GALLARYIQQVRKAPSGRMSVLKNLQSLDPSHRISDRDYM**GW**MD**FGRR****SAEDYEYPS**
(blue, CCK-8 peptide; red, antigen for pro-CCK antibody)

Specificity : mouse (others not tested)

The specificity was confirmed by intense labeling in the same populations of cortical and hippocampal interneurons by fluorescence in situ hybridization for pre-pro-CCK mRNA and immunofluorescence using the pre-pro-CCK antibody (see ref. 1).

Applications : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs.

Research Use : For research use only, not for use in diagnostic procedures.

Remarks : Pro-CCK antibody labels perikarya of preproCCK-expressing neurons, but not their nerve terminals. Therefore, it is useful to identify CCK-expressing interneurons.

Reference : Booker SA, Althof D, Gross A, Loreth D, Müller J, Unger A, Fakler B, AVarro A, Watanabe M, Gassmann M, Bettler B, Shigemoto R, Vida I, Kulik A (2017) : KCTD12 auxiliary

proteins modulate kinetics of GABAB receptor-mediated inhibition in
cholecystokinin-containing interneurons. *Cereb Cortex*, 2017 Mar 1;27(3):2318-2334