PAA365Hu08

Polyclonal Antibody to Copeptin (CPP)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: CPP-KLH
Clonality: Polyclonal
Host: Rabbit
Immunoglobulin Type: IgG
Purification: Affinity Chromatography.
Applications: WB, ICC, IHC-P, IHC-F, ELISA
Concentration: 200μg/mL
UOM: 100μg

[IMMUNOGEN INFORMATION]

Immunogen: Synthetic Peptide, CPP conjugated to OVA.
Accession No.: CPA365Hu22
Sequence: The target peptide sequence is listed below.
VQLAGAPEPFEPAQPD

[RELEVANCE]

Copeptin is a 39-amino acid-long peptide deriving from a pre-pro-hormone consisting of vasopressin, neurophysin II and copeptin. It is synthesized mainly in the paraventricular neurons of the hypothalamus and in the supraoptical nucleus. Once secreted into the blood stream, there is no known biological role for copeptin. However, when pre-pro-vasopressin is processed during the axonal transport, copeptin may contribute to the 3D folding of vasopressin. High concentrations of vasopressin during a cardiogenic shock have been widely described. It has been shown that the kinetics of copeptin are similar to vasopressin in that context.

[ANTIBODY SPECIFITY]

The antibody is a rabbit polyclonal antibody raised against CPP. It has been selected for its ability to recognize CPP in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400
Immunocytochemistry in formalin fixed cells: 1:50-500
Immunohistochemistry in formalin fixed frozen section: 1:50-500
Immunohistochemistry in paraffin section: 1:10-100
Enzyme-linked Immunosorbent Assay: 1:100-200
Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3, 50% glycerol.

[STORAGE]

Store at 4ºC for frequent use. Stored at -20ºC to -80ºC in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.