

Urocortin 3 Rabbit pAb

Catalog Number: bs-2786R

Target Protein: Urocortin 3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Rat (predicted:Human, Mouse, Rabbit, Pig, Cow, Horse)

Predicted MW: 4/18 kDa

Entrez Gene: 114131

Swiss Prot: Q969E3

Source: KLH conjugated synthetic peptide derived from human UCN3: 120-157/161.

Purification: affinity purified by Protein A

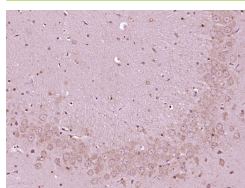
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Urocortin 3 is a member of the sauvagine/corticotropin-releasing factor/urotensin I family. It is structurally related to the corticotropin-releasing factor (CRF) gene and the encoded product is an endogenous ligand for CRF type 2 receptors. In the brain it may be responsible for the effects of stress on appetite. In spite of the gene family name similarity, the product of this gene has no sequence similarity to urotensin II.

A powerful cytoprotective effect of urocortin peptide administration against ischemia and reperfusion injury has been demonstrated in isolated cardiomyocyte models, as well as in the intact heart both in vitro and in vivo.

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Urocortin 3) Polyclonal Antibody, Unconjugated (bs-2786R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.717] Sina Kavalakatt. et al. Urocortin Neuropeptide Levels Are Impaired in the PBMCs of Overweight Children. *Nutrients*. 2022 Jan;14(3):429 WB ; Human . 10.3390/nu14030429

[IF=4.27] Ouaamari et al. Compensatory Islet Response to Insulin Resistance Revealed by Quantitative Proteomics. (2015) *J. Proteome. Res.* 14:3111-22 WB ; Mouse . 26151086

[IF=4.379] Kavalakatt, Sina. et al. Urocortin 3 overexpression reduces ER stress and heat shock response in 3T3-L1 adipocytes. *Sci Rep-Uk*. 2021 Aug;11(1):1-11 WB ; Mouse . 34341463