

Polyclonal Antibody to Urocortin (UCN)

Urocortin

Catalog # AP74578

Product Information

Application	WB
Primary Accession	P55089
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13458

Additional Information

Gene ID	7349
Other Names	UI; UROC; Urocortin 1; UCN1
Target/Specificity	Homo sapiens (Human)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL;Immunohistochemistry: 5-20 μ g/mL;Immunocytochemistry: 5-20 μ g/mL;Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	UCN {ECO:0000303 PubMed:9628819, ECO:0000312 HGNC:HGNC:12516}
Function	Hormone that plays a central role in whole body adaptation to stress (PubMed: 20966082 , PubMed: 24290358 , PubMed: 32004470 , PubMed: 36335102 , PubMed: 8612563). Released by the hypothalamus primarily in response to physical or psychological stress and acts by binding to CRH receptors CRHR1 and CRHR2 (PubMed: 24290358 , PubMed: 26350463 , PubMed: 32004470 , PubMed: 36335102 , PubMed: 8612563). UCN-dependent signaling is a primary mediator of the neuroendocrine, autonomic (fight-or-flight) and behavioral responses to stress, acting as a key regulator of adaptation by activating the hypothalamus- pituitary-adrenal axis, leading to corticotropin hormone (ACTH) production (PubMed: 8612563). Plays a role in the establishment of normal hearing thresholds (By similarity). Reduces food intake and regulates ghrelin levels in gastric body and plasma (By similarity).
Cellular Location	Secreted {ECO:0000250 UniProtKB:P55090}.

Tissue Location

Keratinocytes in epidermis and the outer and inner root sheaths of hair follicles, epithelium of sebaceous and sweat glands, erector pili muscle, cutaneous blood vessel walls, cutaneous nerves and dermal mononuclear cells (PubMed:10690896). Detected in plasma cells in the lamia propria in colon mucosa (PubMed:15531481) (at protein level). Expressed in pituitary and adrenal glands (PubMed:10690896). Detected in plasma cells in the lamia propria in colon mucosa (PubMed:15531481).

Images

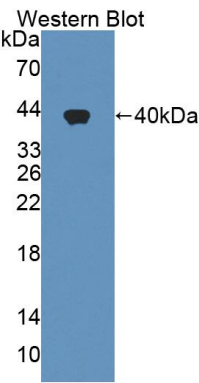


Figure. Western Blot; Sample: Recombinant UCN1,Human

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