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# Polyclonal Antibody to Urocortin (UCN)

Urocortin
Catalog # AP74578

## Product Information

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

## Additional Information

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|---|---|
| **Gene ID** | 7349 |
| **Other Names** | UI; UROC; Urocortin 1; UCN1 |
| **Target/Specificity** | Homo sapiens (Human) |
| **Dilution** | WB~~Western blotting: 0.5-2 □g/mL;Immunohistochemistry: 5-20 □g/mL;Immunocytochemistry: 5-20 □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

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|---|---|
| **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}. |

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|---|---|
| **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

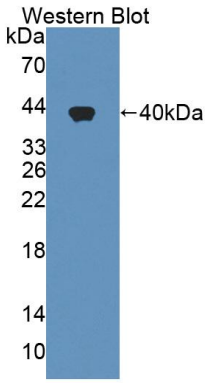



Figure. Western Blot; Sample: Recombinant UCN1,Human

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.