

# Genesis Biotech Inc.

http://www.genesisbio.com.tw info@genesisbio.com.tw

TEL: +886-2-22181731 FAX: +886-2-22181732 Date: 11/01/2010

## Anti-Human UCN1 (a.a.1-161), Chicken-Polyclonal Antibody

Catalog No. PY-10289 Antigen species: Human Host species: Chicken

Quantity: 100µg Applications tested: Western blot Reactivity: Human Form: Antigen affinity purified antibody

Target description

Urocortin, UCN1, urocortin proprotein, UCN, UI, UROC, MGC129974, MGC129975.

The corticotropin-releasing hormone (CRH) system, consisting of CRH, urocortins (UCNs: UCN1, UCN2 and UCN3), their receptors CRH(1) and CRH(2), and CRHbinding protein, holds the principal role in mediating the response to stress stimuli. Besides their expression in the brain, CRH neuropeptides and receptors have been found in multiple peripheral sites.

#### Antigen

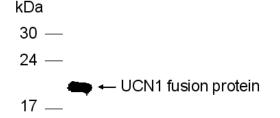
This polyclonal antibody was raised by immunizing chicken with E. coli derived protein (1-161 amino acids).

#### Application

immunostaining. Recommended starting dilution for Western blot analysis is 1:3000, for tissue or cell staining is 1:150. Optimal 4. Incubate with 2nd antibody (goat-antiworking dilutions must be determined by the end user.

#### **Related Products**

- 1. Anti-Human UCN1(68-124) pAb (PY-10290)
- 2. Anti-Human UCN2(1-112) pAb (PY-10291)
- 3. Anti-Human UCN3(1-161) pAb (PY-10292)



400ng E. coli derived protein as test antigen.

#### Western Blot Protocol:

- 1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
- 2. Incubate membrane with IgY antibodies at dilution of 1: 5,000 with 1% milk in PBS-T at R.T. for 1 h.
- ELISA, Western blotting, tissue or cell 3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
  - IgY/Fc-HRP) at dilution 1:10,000 for ECL (with 1%milk PBS-T) at R.T. for 1h.
  - 5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
  - 6. Perform ECL detection of signal using Pierce ECL kit.

#### Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1xPBS). Store at 4°C for shortterm application. For long-term storage, aliquot and store at -20°C.

### References

- 1. Cell Mol Life Sci. 2007 Jul; 64(13): 1638-55.
- 2. Endocrinology. 2007 Apr; 148(4): 1524-38. Epub 2006 Dec 28.

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