



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

Catalog No. PY-10289 **Quantity:** 100µg **Applications tested:** Western blot
Antigen species: Human **Reactivity:** Human
Host species: Chicken **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 CRH-binding 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

ELISA, Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:3000, for tissue or cell staining is 1:150. Optimal working 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)

kDa

30 —

24 —

17 —

← UCN1 fusion protein

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.
3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
4. Incubate with 2nd antibody (goat-anti-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 (1×PBS). Store at 4°C for short-term 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.